P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Van Hosen	DATE 3-8-88
SAMPLE SUBMITTED: 2-23-88	
RESULTS REPORTED: 3-8-88	

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	150 F.	140 F. or Greater 4,000 ppm
ARSENIC	0.050.5	5 ppm
CADMIUM CHRDMIUM (total)	0.435	2 ppm 10 ppm
LEAD	39.4	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLIDN UNLESS OTHER WISE INDICATED.

COMMENTS:	

Independent Sampling and Services:

By Elle Etmin

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tony

DATE 3-8-88

SAMPLE SUBMITTED:

2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	183 F. C 0.05	14D F. or Greater
ARSENIC	0.5	4,000 ppm 5 ppm
CADMIUM	1.23	2 ррт
CHRDMIUM (total)	1.09	10 ppm
LEAD	* 129	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Interstate Pollution

DATE 3-8-88

SAMPLE SUBMITTED:

2**-**23-88

RESULTS REPORTED:

3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	158 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.590	2 ppm
CHROMIUM (total)	6.92	10 ppm
LEAD	126	100 ррт

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead must be down-bleaded to

achieve Compliance

Independent Sampling and Services:

By Bee / Etan

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S

DATE 3-8-88

SAMPLE SUBMITTED:

2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.46	2 ppm
CHROMIUM (total)	0.813	10 ppm
LEAD	173*	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS	: Lad	Content	must be	. don	n-Alender
	achevil				
		V			

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS	: CBO Greenfield	DATE	3-8-8B
SAMPLE SUBMITTED:	2-23-88		
RESULTS REPORTED:	3-8-88	_	
PARAMETER	RES	ULT	SPEC.
Flash Point % Chlorine	180 F. < 0.05		140 F. or Greater 4,000 ppm
ARSENIC	0.5		5 ppm
CADMIUM	0.700		2 ppm
CHROMIUM (total)	0.227		10 ppm
	57.8 andard for "Used Oil" TS PER MILLION UNLESS		100 ppm
COMMENTS:			
			

Independent Sampling and Services:

By Sie /Etm

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: E & L

DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.15	2 ppm
CHROMIUM (total)	0.515	10 ppm
LEAD	≯ 165	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (Tr. 2) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners P.O. Box 41 Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	III. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F +
Arsenic	1. 大學	0.04 ppm	0.19 ppm	0.37 ppm
Cadmium		2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total	1. AM	0.02 ppm	0.02 ppm	1.39 ppm
Lead		193 ppm*	96.10ppm	137.0 ppm*
% Chi∳rij:	Less than	0.04	0.04	0.04

Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Jan Petrich

I.S.S.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners P.O. Box 41 Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	Ill. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F +
Arsenic	• •	0.04 ppm	0.19 ppm	0.37 ppm
Cadmium		2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total		0.02 ppm	0.02 ppm	1.39 ppm
Lead	,	193 ppm*	9 6. 10ppm	137.0 pp
% Chlyri 2	Less than	0.04	0.04	0.04

^{*}Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Dan Petrich

I.S.S.



Quality Blended Fuel Oils

April 4, 1988

Mr. Eugene P. Theios, Manager Administrative Compliance Unit Compliance Section Division of Land Pollution Control Illinois Environmental Protection Agency 2200 Churchill Road Springfield Illinois 62706

RE: 1970750002-Will County
Pre-Enforcement Conference Letter
March 23, 1988

Mr. Theios,

After receiving your Pre-Enforcement Letter of March 23, I was embarassed for not having responded to the letter of February 8, 1988. The difficulty seems to have been our inability to locate the specific manifests outlined in the letter of February 8, 1988. (1652233 and 1261287). To date we have been unable to locate copies of either of those two manifests.

The additional manifest mentioned in your March 23, 1988 letter, (1261417) we have located, as well as the manifest relative to the Ford Motor Company of Indianapolis Indiana, (1652061).

At the suggestion of Mr. Bill Petrich, Bill Petrich, environmental services..., we will attempt to explain the confusion that was obviously generated by our lack of complete understanding of the regulations.

- We had applied for a change in the name of our permit to Custom Blended Dils Inc. from E. & L. Tank Cleaners, because we generate fuel oil for heavy industry, and sell this product to industry as Custom Blended Oils Inc. We therefore wanted to operate under one corporate name.
- 2. As of April 4, 1988, our request for name change has not been ruled upon by the Illinois Environmental Protection Agency, Division of Land Pollution Control, and our phone call to Marla Layman indicated that the agency had until the 24th of April, (90 days) to make a decision on the name change.
- 3. Because of this, we contacted Mr. Bob Watson of the permit section, and were informed that if we sent down for supplemental permits, under the name Custom Blended Dils Inc. before the name change was approved, the applications would be rejected.
- 4. In 1987 permits were submitted to the agency for multi-stop service station used bil collection. The permits were made out on pink application forms.

Abolti-stop restricted to servi stations.

Modifyed Operated Permit to (" Other Used Oils")

application forms were available. We now have the green forms made out in the name of Custom Blended Oils Inc. and are awaiting the decision by the agency for the requested name change.

- 5. The use of the 000049 Stream Authorization Number by Ford Motor Company was not our doing. Their stream, (purchased oil) is taken to our facility in Greenfield Indiana, where it is agglomerated with other oils, purchased in Indiana is oil is then brought to Peotone for final blending into useable fuel.

 Our understanding is that the manifest requirement would then apply when we bring used oil (Illinois "special waste"), from Greenfield to Peotone, it would be under a supplemental permit issued to Custom Blended Oils Inc. and not Ford Motor Company?
- 6. The state of Indiana no longer has restrictions on the hauling of used crankcase oil, and indeed encourages the re-use of this oil in accordance with the federal mandate to "minimize" waste, and re-cycle and recover in every instance possible On this basis, will the Illinois Environmental Protection Agency continue to insist on manifests for "purchased" oil, not "waste"?

Mr. Petrich indicated that when he spoke with you, that some "thirty to thirty-five" manifests were now improperly executed, and that each represents a violation of the statute. On this basis we have directed our personnel as follows:

- 1. All manifests made out as of April 4, 1988, will have the name of the permit holding company, E. & L. Tank Cleaners.
- 2. All manifests will have the Stream Authorization Number, issued by the I.E.P.A. and the Illinois, Indiana, Wisonsin, Kentucky, Minnesota, Ohio, identification number, issued by those agencies. state and/or federal.
- 3. For each and every stream received by Custom Blended Oils Inc. a Stream Authoriz number must be applied for on a green application sheet supplied by the I.E.P.A. with all of the information requested given.
- 4. In the case of "multi-stop" service station accumulations, each Licensed Waste Hauler who brings oil to Custom Blended Oils Inc. will have obtained an Illinois Generators Number on behalf of their multiple stops, and will supply to Custom Blended Oils Inc. samples of Oil (special waste), so that appropriate analyses may be performed prior to submission for Stream Authorization Number.
- 5. Samples of each days "receipts" of oil will be kept, and analyzed in accordance with Illinois Environmental Protection Agency Title 35, Subpart E: Used Oil Burned for Energy Recovery 726.143, 726.140.

We apologize for the confusion that was generated as a result of our not implement in policies and procedures as relates to manifest generation, and administration. Please allow that Custom Blended Oils Inc. (E. & L. Tank Cleaners) will endeavor to conform with each and every aspect of the regulation in the future, and that our willingness to cooperate with the agency is hereby reaffirmed.

Respectfully,

Ernest Winkle President MANIFEETS from Ford should say = 6 minuter Greenfield to CBO Restantil Our Benevator # goos in Gen Top Genevator # goos in Gen Top Genevator # (Where Ford's Gen. # was).

WI MANIFOST'S Short read - Gery Remor - WI. to CBQ Peotone (not Muit Lubes).

Propei ID for Used 0:1- Used 0:1 or Crantrase 0:1 (Non-Haz) form

WOOT Non Haz ORME NOW HAZ) - IN DOT Part of Manifest.
Used 011) (To-satisfy Dep- of Trans.)

Supplementary permit # for Ind a WI until we get Benevic F

MUST have Authorization # (ALL IL. MANIFESTS).

Condy Nelson- Howling of P.W. My Trucks

Appalysis within a year (breen Sheets)

1,000 every 3 mes - cannot be peut of a molti-stop.

Grueric is on composition of oil!

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS	0F	ANAL	YSI	S:
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DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Dukes # 101

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
ÇADMIUM	1.60 ppm	2 ppm
CHROMIUM (total)	2.36 ppm	10 ppm
LÉAD	122.0 ppm *	100 ppm
	I	

Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

^	~		4.		B 17	ſS	
		M	IW	-	NI	•	•
•	u		4.1	_			

This oil should be down-blended with yirgin fuel, or recovered oils

containing less lead concentration,

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RES	SHE	TS	DF	ANAL	YSIS:

DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Greenfield # 102

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	2.00 ppm	2 ppm
CHRDMIUM (total)	3.49 ppm	10 ppm
LEAD	130 ppm*	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Although the lead concentration continues to drop in used crankcase oil,

it still exceeds federal E.P.A. guidelines. Suggest down-blending with oils containing -0- lead.

Independent Sampling and Services:

By Fell /Eline

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-

RESULTS OF .	ANALYSIS:
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April 30, 1988 DATE

SAMPLE SUBMITTED:

April 18, 1988

RESULTS REPORTED: April 30, 1988

Ford # 111

RESULT	S;
Greater than 200° F	140 F. or Grea
3816 ppm	4,000 ppm
Less than .04 ppm	5 pş
0.895 ppm	2 pţ
1.15 ppm	10 pr
6.42 ppm	100 g
•	Greater than 200° F 3816 ppm Less than .04 ppm 0.895 ppm 1.15 ppm

Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil conforms to the criteria established by the federal E.P.A. for

"used oil".

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANAL	YSIS:	
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DATE <u>April 30, 1988</u>

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 198B

Ill. Recovery, # 107

Greater
5 ppm
2 ppm
10 ppm
100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil exceeds federal standards in Flash Point, Cadmium, and Lead, and st

be blended with virgin oil to prepare material for customer use.

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESU	ILTS	0F	ANAL	YSIS:
ハレンし		vi	1.01.00 J	

DATE April 30, 1988

SAMPLE SUBMITTED:

April 18, 1988

RESULTS REPORTED: April 30, 1988

Dukes # 108

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200 F. 786 ppm Less than .04 ppm 1.67 ppm 2.67 ppm 148.0 ppm*	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream exceeds lead concentration as determined by federal E.P.A. and show

therefore beblended with non-lead bearing oil to reach conformity.

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

R	F?	SU	11	TS	0F	AN.	A۱	YS	IS:
4 >	_		_			, , ,	, ,		

DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

R. & S. # 103

PARAMETER	RESULT	SPEC.
Flash Point	150° F.	140 F. or Greater
% Chlorine	2256 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.40 ppm	2 ppm
CHROMIUM (total)	1.84 ppm	10 ppm
LEAD	91.1 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream conforms with federal E.P.A. guide lines for "used oil".

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

_	COLL	TC	ΛF	ANIAL	VOTO	
ĸ	ESUL	. 1 3	UE	ANAL	. roro	

DATE April 30, 1988

SAMPLE SUBMITTED: April 1B, 1988

RESULTS REPORTED: April 30, 1988

CBO # 104

PARAMETER	RESULT	SPEC.
Flash Point	170 ° F	140 F. or Greater
% Chlorine	407 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.10 ppm	2 ppm
CHROMIUM (total)	1.22 ppm	10 ppm
LEAD	30.3 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil stream conforms to the federal guidelines for used oil, and can be

blended with other conforming streams.

Independent Sampling and Services:

By Bill Strice

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESUL	_TS	0F	ANAL	YS:	IS:
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DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

House Stock, # 109

PARAMETER	RESULT	SPEC.
Flash Point	N.E.	140 F. or Greater
% Chlorine	848 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	1.95 ppm	2 ppm
CHROMIUM (total)	3.11 ppm	10 ppm
LEAD	134.D *	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The lead concentration in the house stock exceeds federal guidelines, and this material should be blended with virgin oil to make up customers product

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANAI	_YSI	is:
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DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO sample #2 ISS 204

ë.

PARAMETER	RESULT	SPEC.
Flash Point	180° F	140 F. or Greater
% Chlorine	1,567 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD ASH	0.87	100 ppm 0.76-0.81

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil sample refelcts "typical" analysis for blended fuel produced from

"used oil" containing "crankcase" oil, along with other recovered oils.

The sample was analysed in accordance with accepted P.P.I., A.S.T.M. and E.P.A

protocols.

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS	0F	ANAL	Y.	S.	[S	:
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DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

/CBO Sample #1, ISS # 203

PARAMETER	RESULT	SPEC.
Flash Point	155 ° F	140 F. or Greater
% Chlorine	1,235 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ррт
CHROMIUM (total)		10 ppm
LEAD ASH	0.67 %	100 ppm SAE: 0.76 to 0.81

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

This sample reflects the accepted properties of "used oil" from a crankcase source, and is not to be construed as "different" than other crankcase blended fuels produced from "used oil" sources.

DMMENTS:	* * * * * * * * * * * * * * * * * * *	
	٠,	/
	2 (1/2

Independent Sampling and Services:



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.D. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

May 27, 1988

P.O. Box 1041 Peotone, IL 60468

CUSTOM BLENDED OILS, INC.

ATTN: David F. Wheeland

Sample identification

by Custom Blended Oils, Inc.

Kind of sample

reported to us ----

New Blend 25-35

Sample taken at ----

Sample taken by

Custom Blended Oils, Inc.

Date sampled

Date received 5/20/88

Analysis report no.

71-56638

Ash Content 0.89 % By Weight

Flash Point, Pensky-Martens 182°F

Gravity At:

Heating Value:

Sulfur Content 0.72 % By Weight

Viscosity At: 5USA100-077

122°F Syabolt Furol 29.6 Seconds

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CD.

Samial W Co

Manager, South Holland Laboratory

Charter Member

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF	ANALYSIS:	DATE	June	21,	1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Southwest Waste Oil

RESULT	SPEC.
165 F.	140 F. or Greater
0.15	4,000 ppm
0.001	5 ppm
0.79	2 ppm
2.93	10 ppm
98.0	100 ppm
	165 F. 0.15 0.001 0.79 2.93

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:										
This	oil	meets	the	required	specifications	for	"used	oil".		<u>-</u> .
	-							$\mathcal{E}_{i}^{(t)}$,
									//	<i>7</i>

Independent Sampling and Services:

By Sie Stur

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

R	ES	SЦ	LI	ſS	0F	ANA	LYS	IS	:
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DATE June 21, 1988

SAMPLE SUBMITTED:

May 25, 1988

RESULTS REPORTED: June 21, 1988

Daves Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	120 F. *	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.38	2 ppm
CHROMIUM (total)	0.68	10 ppm
LÉAD	135.0	100 ppm

Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The flash point is below acceptable limits, and this oil would not qualify

as used oil under current definitions of used oil. Suggest monitoring this

stream and instructing the supplier that his product does not meet/federal

or state requirements for "used oil". Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

D	CCIII	ΤC	ΛF	ANAL	VC.	15.
л	LJUL		VI.			10.

DATE June 21, 1988

SAMPLE SUBMITTED:

may 25, 1988

RESULTS REPORTED:

June 21, 1988

Berreth Oil.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.20	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.210	2 ppm
CHROMIUM (total)	10.13 *	1 0 ppm
LEAD	44.7	100 ppm
`		1

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows an elevated level of chromium, and should be re-checked to

ascertain if this material is intrinsic to crankcase oil.

Suggest down-blending with virgin oil.

Independent Sampling and Services:

Ву_

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63B3

R	ESU	LTS	0F	ANAL	YS I	S:
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DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Texoma

RESULT	SPEC.
200 F.	140 F. or Greater
0.36	4,000 ppm
0.001	5 ppm
0.07	2 ppm
0.004	10 ppm
2.23	100 ppm
	200 F. 0.36 0.001 0.07 0.004

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil meets the specfications of "used oil" and this material may

be used in blending for industrial purposes.

Independent Sampling and Services:

By Eil / Elem

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	DATE August 4, 1988
SAMPLE SUBMITTED: August 20, 1988	

Special Sulfur determination for Frank Brothers

RESULTS REPORTED: August 1, 1988

PARAMETER	RESULT	SPEC.
Flash Point		140 F. or Greater
% Chlorine		4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD Sulfur L	ess than 0.2 %	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

tested at lessthan 0.2 % Sulfur content. Th	nis is well below their
0.44 % requirement.	

Mile PM

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:

DATE September 27, 1988

SAMPLE SUBMITTED: September 15, 1988

RESULTS REPDRTED: September 27, 1988

TANK #9

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.17	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.59	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	95.1	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil is within the presecribed parameters for" used oil" as outlined in

Subpart E. part 266 40 CFR.

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

C		C	111	TC	ΛE	ANAL	VC:	rc.
ŀ	(E	5	IJΙ	L 13	UE	ANAL	. I D.	15.

DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

House Stock, Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM	142 F. 0.02 % 0.1 ppm 1.31 ppm	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
CHROMIUM (total) LEAD	0.004 ppm 122.0 ppm *	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Lead concentration is just slightly high, but reflects the trend downward of crankcase oil. Suggest blending with other stocks to achieve "used oil"

compliance.

Independent Sampling and Services:

By Till /Etune

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

DECHI	TC	ΛE	ANIAL	YSIS:
ドレン いし	-13	Ur	ANAL	.1313.

DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Southwest Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	174 F. 0.18%	140 F. or Greater 4,000 ppm
ARSENIC	0.30 ppm	5 ppm
CADMIUM CHROMIUM (total)	2.21 ppm * 0.004 ppm	2 ppm 10 ppm
LEAD	90.8 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Slight overage on the Cadmium concentration, otherwise this oil is well ithin the specifications for "used oil".

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF AN	ALYSIS:	
---------------	---------	--

DATE November 23, 1988

SAMPLE SUBMITTED: Oct. 28, 1988

RESULTS REPORTED: Nov. 23, 1988

R. & S. Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	132 F. * 0.21 %	140 F. or Greater 4,000 ppm
ARSENIC	0.2 ppm	5 ppm
CADMIUM	1.48 ppm	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	103.0 ppm *	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS DTHER WISE INDICATED.

COMMENTS:

The Flash Point of this sample is somewhat low, however even trace quantities of aliphatic, and/or aromatic hydrocarbons could create this situation.

Lead is also just over the limit proscribed by the F.P.A. specifications.

Independent Sampling and Services:

By Och /Etrus

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

	R	ESUL	TS	0F	ANAL	YSIS:
--	---	-------------	----	----	------	-------

DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Jerry Remer, Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	200 F. 0.04 %	140 F. or Greater 4,000 ppm
ARSENIC CADMIUM CHROMIUM (total) LEAD	0.1 ppm 2.16 ppm * 0.004 ppm 80.9 ppm	5 ppm 2 ppm 10 ppm 100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows just a slight increase in the Cadmium concentration. The other parameters reflect a "used oil" characteristic.

Independent Sampling and Services:

By Oll Etric



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 331-2900 TELEX: 285950 COMTECO SH UR FAX: (312) 333-3060

New Blend

200 - 400

December 21, 1988

Sample I.D.:

Sample identification by Custom Blended Oils, Inc.

reported to us Oil
Sample taken at ----

ATTN:

Kind of sample

11

P.O. Box 1041

Peotone, IL 60468

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS, INC.

Ron Winkle

Date sampled -----

Date received 12/16/88

Analysis report no. 71-67802

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Dail W. Cy

Manager, South Holland Laboratory



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPON-16130 VAN DRUNEN RD., P.: SOUTH HOLLAN TELEPHONE: (31 TELEX: 285950 COMT[FAX: (31

December 23, 1988

Sample identification
by Custom Blanded Oils I

by Custom Blended Oils, In

Kind of sample reported to us Oil

ATTN:

P.O. Box 1041

Peotone, IL

Sample I.D.: New Blend 100-500

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Gravity At:

60468

CUSTOM BLENDED OILS, INC.

Larry Winkle

Date sampled ----

Date received 12/22/88

Analysis report no. 71-68053

Sulfur content 1.74 % By Weight

Respectfully submitted, ÇQMMERCIAL TESTING & ENGINEERING CO.

eles our will will be the

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

DES/ds

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tank 10		DATE_ 1/4/198 9	
SAMPLE SUBMITTED:	12/6/1988		
KES REPORTED:	12/30/1988		
SOURCE:	·		
PARAMETER	RESULT	· · · · · · · · · · · · · · · · · · ·	SPECIFICATIO
	196° F 1.90 Less than 0.03 1.55 Less than 0.004 86.4 andards for "Used Oil" PARTS PER MILLION UNLES	SS OTHERWISE INDIC	140 F. or Gre 4,000 ppm 5.0 ppm 2.0 ppm 10.0 ppm 100.0 ppm
COMMENTS:			
			
		20 ⁷ 3	
Independent Samplin	g and Services Inc.	By 200 K	- 1374

INDEPENDENT SAMPLING AND SERVICES, INC.

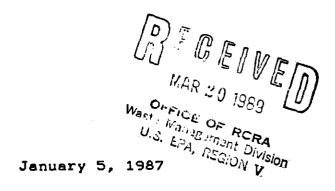
P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	R&S Waste oil	DATE_	1/4/1989
SAMPLE SUBMITTED:	12/6/1988	-	
RESULTS REPORTED:	12/30/1988	-	
SOURCE:			
PARAMETER	RESULT	· · · · · · · · · · · · · · · · · · ·	SPECIFICATION
Flash Point	154° F	;	140 F. or Greater
% Chlorine	0.70		4,000 ppm
ARSENIC	0.10		5.0 ppm
CADMIUM	2.13 *	,	2.0 ppm
CHROMIUM (total)	Less than 0.004		10.0 ppm
LEAD	83.4		100.0 ppm
	ndards for "Used Oil" PARTS PER MILLION UNL	ESS OTHERWISE I	ND1CATED.
COMMENTS:			
, , , , , , , , , , , , , , , , , , , 			
		,	,
Independent Sampling	and Services Inc.	By Min	K. Park.

INDEPENDENT SAMPLING AND SERVICES, INC.

F.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	Illinois Re	covery	DATE <u>1/4</u>	/1989
-	/c /4000			
SAMPLE SUBMITTED: 12	/6/1988			
RESULTS REPORTED:	12/30/1988			
SOURCE:			· · · · · · · · · · · · · · · · · · ·	
PARAMETER		RESULT		SPECIFICATION
Flash Point		1 94° F		140 F. or Greater
% Chlorine	}	0.19	Ĭ	4,000 ppm
ARSENIC		0.06		5.0 ppm
CALMIUM	1	1.81		2.0 ppm
CHROMIUM (total)	Less than	0.004	}	10.0 ppm
LEAD		93.7		100.0 ppm
*Exceeds current sta DATA RESULTS ARE IN			OTHERWISE INDIC	ATED.
COMMENTS:				
		· · · · ·		
Independent Sampling	and Services	s Inc.	By Mk	Patch



Custom Blended Oils Inc. P.O. Box 41 Peotone Illinois 60468

Mr. David Wheeland

RE:

Analysis of Blended

Stock, #5 Oil.

Dear Mr. Wheeland,

We are pleased to submit the following analytical information relative to the sample we picked-up of the subject oil.

The analytical work was delayed due to the rush of work prior to the holidays, and we apologize for any inconvenience that this may have caused you.

The parameters and results are listed as follows:

PARAMETER

RESULT

18,973

0.59%

0.20%

200 F. +

Less than 1%

B.T.U. per 1b.

Arsenic

% Sulfur

% Chlorine

Flash Point, Pensky Martens, Bottom Sediment and Water

Chromium Total

Metals:

.04 ppm

3.55 ppm

1.78 ppm

Cadmium Lead

298.00 ppm

Ash SUS @ 100 F. Viscosity

0.78 % 297 sec

The results from samples 61 through 63 reflecting the properties of the received oils will be forthcoming.

Thank you for your patience in this matter



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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CDRRESPONDENCE 16130 VAN DRUNEN RD., P.D. 80X SOUTH HOLLAND, IL 60—TELEPHONE: (312) 264-1
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC. P.O. Box #41 Peotone, IL 60468

January 12, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, Inc.

Kind of sample #5 Oil reported to us

#5 Oil 1/5/87

Sample taken at

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 1/6/87

Ť

Analysis report no. 71-32255

Arsenic To Follow

Ash Content Flash Point, Pensky-Martens	0.43 % by weight 184°F
Gravity:	104 1
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.



Charter Men



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDEN 16130 VAN DRUNEN RD., P.O. E SOUTH HOLLAND, 1: TELEPHONE: (312) 2 TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC. P.O. Box #41 Peotone, IL 60468

January 12, 1987

David F. Wheeland ATTN:

Sample identification by Custom Blended Oils, Inc.

Kind of sample #5 Oil reported to us

#5 Oil 1/5/87

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 1/6/87

71-32255 Analysis report no.

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Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted, OMMERCIAL TESTING & ENGINEERING CD.





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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TD: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

January 12, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample #6 Oil

P.O. Box #41 Peotone, IL

reported to us

ATTN:

#6 Oil 1/5/87

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS, INC.

60468

David F. Wheeland

Date sampled -----

Date received 1/6/87

Analysis report no. 71-32256

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.



11111111

SAMPLE SOURCE: #5 DIL, CUSTOM BLENDED DILS INC.

SAMPLE SUBMITTED: JANUARY 6, 1987

RESULTS SUBMITTED: JANUARY 15, 1987

PARAMETER:

Lead

RESULT:

SPEC:

Flash Point % Chlorides Arsenic Cadmium Chromium (total)

200 F. 0.05% NOT RUN 1.12 PPM : 0.284 PPM 32.60 PPM

140 F. 4,000 ppm 5 ррм Mag S 10 ppm

100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: 455 SECS. SULFUR CONTENT: 0.76% AS" CONTENT: 0.75% A. I. GRAVITY: (21.1)

0 60 f.

7 .U. PER LB.: (18,203)

b.a. & W : NOT RUN

Independent Sampling and Services;

BY: BILL PETRÍCH

TESTS-FRAM-4-2 BLEDD HOVEE-ROITH -#6 FROM-DVANA OUT-OF-ALLIED.

#5-OIL BLEND, LAB, RESUNTS 4-2-Mix. PETRICH

COMM. TESTING

21

1/13/86

476

1840

0.43

0.65

18,300 - 141,404

1,24 PPM 0.58

0.58

451 11111

154 " ""

- 21.1

-455

- 200°F

- 0,75

-0.76

AL 18,203 -140,564

505-100°)

- 1.1Z

-0.28

1200 THAN 500 12

32.6



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

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PLEASE ADDRESS ALL CORRES 16130 VAN DRUNEN RD SOUTH HOL TELEPHONE TELEX: 285950 CC

January 27, 1987

Sample identification by Custom Blended Oils,

#5 Oil 1/5/87

CUSTOM BLENDED OILS, INC. P.O. Box #41 Peotone, IL 60468

ATTN: David F. Wheeland

Kind of sample #5 Oil reported to us

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 1/6/87

Analysis report no. 71-32255

Complete Result

Arsenic, As 0.04 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection



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SINCE 1908

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PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

January 27, 1987

Sample identification by Custom Blended Oils, Inc.

#5 Oil 1/5/87

CUSTOM BLENDED OILS, INC. P.O. Box #41 Peotone, IL 60468

ATTN: David F. Wheeland

Kind of sample #5 Oil reported to us

Sample taken at , ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 1/6/87

Analysis report no. 71-32255

Complete Results

Arsenic, As 0.04 ppm, as rec'd

Respectfully submitted, OMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Charter Member

SLK/ds



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

33/2900

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.D. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 CDMTECO SH UR

March 24, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

ATTN:

P.O. Box #41

Peotone, IL 60468

821-4747

Sample taken at . ----

Sample taken by Custom Blended Oils, Inc.

David F. Wheeland

CUSTOM BLENDED OILS. INC.

Date sampled ----

Date received 3/3/87

Analysis report no. 71-34960

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Charter Member



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PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

March 24, 1987

Sample identification by Custom Blended Oils, Inc.

P.O. Box #41 Peotone, IL 60468

CUSTOM BLENDED OILS. INC.

ATTN: David F. Wheeland

Kind of sample reported to us Oil

821-4747

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 3/3/87

Analysis report no. 71-34960

Respectfully submitted, CQMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory



Charter Member

SAMPLE SOURCE: E&L Tank Cleaners

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	, 4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 1.07	mqq S
Chromium (total)	: 0.250	10 ppm
Lead	: 300.0 *	100 ррм

*Exceeds current standard for "Used Dil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

Independent Sampling and Services;

SAMPLE SOURCE: R&S Waste Dil

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: (0.05	4,000 ppm
Arsenic	: (0.001	, 2 bbw
Cadmium	: O.68	2 ppm
Chromium/(total)	: <0.010	10 ppm
Lead	: 535 *	100 ppm

*Exceeds current standard for "Used Dil":

🧓 DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
P.I. GRAVITY:
@ 60 f.
U. PER LB.:
B.S. & W:
%

Independent Sampling and Services;

MPLE SOURCE: ESL lank Chancers

IPLE SUBMITTED: BYEYSY

BULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 5.
Chlorides	: KO.O5	4,000 ppm
senic	: <0.001	5 ppm
dmium /	: 1.07	a ppm
comium (total)	: 0.250	10 ppm
ad	: 300.0 *	100 page

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS FER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS @ 100 f:

LEUR CONTENT:

4 CONTENT:

.1. GRAVITY: ⊕ 60 f.

.U. PER LB.:

S. & W :

tependent Sampling and Services;

BY: Daniel Petrich

RECHIVED

MPLE SOURCE: P&S Waste Oil

MPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/A7

RAMETER;	RESULT;	EFRO,
ash Point	:)200 F	140 F.
Chlorides	: (0.05	4,000 ppm
rsenic	8 (O.OOI	5 ger
edmi uya	: O.68	🕾 ស្ព្រ
romium (total)	: (0.010	10 pom
ad	: 535 *	100 ppm

xceeds current standard for "Used Dil":

TÀ RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS & 100 f;

: LFUR CONTENT:

H CONTENT:

P.I. GRAVITY:

® 60 f.

.U. PER LB.:

ş 5. & W :

dependent Sampling and Services;

C. MPLE SOURCE: III Recevery Co.

WALE SUBMITTED: 2727AV

SULTS SUBMITTED: 8/5/87

RAMETER;	REBULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senio	: 0.211	5 ព្យាធ
dmijum	: 0.55	Z pos
romium (total)	: (0,01	AO pom
ತರ	: 278 *	100 pp

xceeds current standard for "Used Dil":

TA RESULTS ARE IN PARTS PER MILLIER LYLESS CTHERSISE INDICATED:

SCOSITY SUS & 100 f:

LFUR CONTENT: 4 CONTENT:

P.I. GRAVITY:

@ 60 f.

.U. PER LB.:

3. & W :

dependent Sampling and Services;

Attento in the case with the common day,

MPLE SUBMITTELAY SYLVAY

SULTE SUBMITTION: 2/5/8/

RAMETER: RESIDIT: 13 (-13) ash Point : 129 F w 140 F. Chlorides : (O. CE A, COO Lipm senio * (O. 001 ्य प्रकार :dmium / 2 14 m romium (total) : 0.093 $(\mathcal{I}_{i}^{(r)}, \mathcal{I}_{i}^{(r)}, \mathcal{I}_{i}^{(r)}) \in \mathcal{I}_{i}^{r}$ -a d417 100 ppm

xceeds current standers for "Used Uil":

TA RESULTS ARE IN PARTS PER MULLION UNLIES OFFICE IN TRACE.

SCOSITY SUS # 100 fa

LEUR CONTENT:

H CONTENT:

P.J. GRAVITY: 0 60 C.

M.W. PER LB.:

5. g& W :

dependent Sampling and Services;

Nota Develous Peatresiph

RECEIVED

APR 201987

LEPA-DLPC

SAMPLE SOURCE: Atlas Oil Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

FARAMETER;	RESULT;	SPEC;
Flash Point	: 129 F *	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: (0.001	5 ppm
Cadmium	: 1.91	2 ppm
Chromium (total)	: 0.609	10 ppm
Lead	: 417	100 ppm

*Exceeds current standard for "Used Dil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A P.I. GRAVITY: @ 60 f.
(.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

SAMPLE SOURCE: Ill Recovery Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: 0.211	` 5 p pm
Cadmium	: 0.95	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 272 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A P.I. GRAVITY: @ 60 f.
U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

OFFICE

DESCRIPTION ARGO

DATE:

April 3.

1987

ANALYSIS

CUSTOMER REF. NO.:

Sample designated as: Fue I OII

dentifying Marks: Submitted Sample

Submitted by: Custom Blended Oils

Custom Blended Oils,

Client

F

NOTES

- Co., Inc. unless written consent is received with any form of advertising shall not be used in connection published or used except in full. It This laboratory report may not be from an officer of E. W. Saybolt &
- Results were based on analysis received at the laboratory. made at the time samples were
- Samples, if any, shall be retained longer period is requested in writing. for a period of 45 days unless a
- Sample nomenclature is designated by the customer

ARGO, ILLINOIS 60501 P. O. BOX 129

312-582-4714

VESSEL/TANK(S):

PROPERTY OF A PRACTURE ARTOR.

LABORATORY NO.:

INVOICE NO.: 3138 (ID)

7964

Gross BTU'S/gallon ASTM D-240

white

E. W. SAYBOLT & CO., INC.

Page 1 of 1

'Q LAB-200 (7/84)-2

ORM NO. LAB-200 (7/84)-2

Walter Bridge Committee Co

E. W. SAYBOLT & CO., INC.

Page .1

__ of ______

VESSEL/TANK(S): _

LABORATORY NO.:

3138 (ID)

7964

143,952

OFFICE

ARGO, ILLIMUIS busus

312-582-4714

VESSEL/TANK(S): S/T 5-17

INVOICE NO .: . LABORATORY NO.: T d

7963

3135

ANALYSIS

Vis. S Sulphu Gravit Grpss Pour P S & W Flash

Identifying Marks: S/T 5-17 @ GATX-Bedford

Park, IL on 4/3/87

Sample designated as: Decanted 011

DESCRIPTION

DATE:

April 3,

1987

CUSTOMER REF. NO.:

Submitted by: E.W. Saybolt & Co.,

Inc.

Client:

Blended Oils

Ameropan Oil/Custom

NOTES

- shall not be used in connection Co., Inc. from an officer of E. W. Saybolt & unless written consent is received with any form of advertising published or used except in full. It This laboratory report may not be
- Results were based on analysis received at the laboratory. made at the time samples were
- Samples, if any, shall be retained writing. longer period is requested in for a period of 45 days unless a
- Sample nomenclature is designated by the customer

-3.2 3.89% 195°F 0.1% 40.2 sec. 40°F

ORM NO. LAB-200 (7/84)-2

E. W. SAYBOLT & CO., INC. house

The second second

MEMBERS ASTM

Pane ⊥ Դ 1



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS / 16130 VAN

TELE.

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

April 10, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended

Kind of sample reported to us Oil

Oil Sample 5-14

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/9/87

Analysis report no. 71-36952

Gravity: Specific at 60/60°F 0.9692 Lb per gal. at 60°F 8.071 14.5 °API ... Heating value: Btu/lb. 17,858 Btu/gal. at 60°F 144,136 Sulfur Content 1.64 % by weigh 2.57 % by volume Water by distillation ... 124.7 ppm, as rec 621.8 ppm, as rec' Total Halogens

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Driginal Copy Watermarked For Your Protection

Manager, South Holland Laboratory

SAMPLE SOURCE: R&S Waste Gil

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 120 F	140 F.
% Chlorides	: (O. 1,	4,000 ррм
Arsenic	: <0.1	5 ppm
Cadmium	: 2.68*	2 ppm
Chromium (total)	: (0.01	10 ppm
Lead	: 508*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATE:

VISCOSITY SUS @ 100 f: SULFUR CONTENT:

ASH CONTENT:

PP.I. GRAVITY: @ 60 f.

T.U. PER LB.:

B.S. & W:

Independent Sampling and Services;

BV. Daniel Detrict

SAMPLE SOURCE: Atlas

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

RESULT;	SPEC;
: >200 F	140 F.
: (0.1	4,000 ppm
; (O.1)	5 ppm
: 2.90*	2 pp m
: <0.01	10 ppm
: 328*	100 ppm
	: >200 F : <0.1 : <0.1' : 2.90* : <0.01

*Exceeds current standard for "Used Oil":

Independent Sampling and Services;

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:

SULFUR CONTENT:

ASH CONTENT:

/ P.I. GRAVITY:

@ 60 f.

T.U. PER LB.:

B.S. & W :

gomple source: Eal Tant Cleanors

SAMPLE SUBMITTED: 2/23/67

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: O.15	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 1.66	mqq S
Chromium (total)	: <o.oi< td=""><td>10 ppm</td></o.oi<>	10 ppm
Lead	: 166*	100 ppm

*Exceeds current standard for "Used Dil":

PATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: SULFUR CONTENT: ASH CONTENT:

PP.I. GRAVITY:

0 50 f.

T.U. PER LB.:

B.S. & W :

%

Independent Sampling and Services;

ŞAMPLE SOURCE: ILL Red.

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point :	155 F	140 F.
% Chlorides :	0.27	4,000 ppm
Arsenic :	⟨○.1	5 թթտ
Cadmium :	3.24*	2 ppm
Chromium (total) :	<0.01	10 ppm
Lead :	483*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f; SULFUR CONTENT: ASH CONTENT;

FT.U. PER LB.: B.S. & W :

Ändependent Sampling and Services;



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B. LOMBARD, ILLINOIS 6014B • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE 16130 VAN DRUNEN RD., P.D. BC SOUTH HDLLAND, IL TELEPHONE: (312) 2€ TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

David F. Wheeland ATTN:

April 16, 1987

Sample identification

by Custom Blended Oils, Inc.

Kind of sample

reported to us Oil

Code House

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/16/87

Analysis report no. 71-37207

Gravity:

Specific at 60/60°F 0.8984 Lb per gal. at 60°F 7.481 26.0

Heating value:

Btu/lb. 18,190 Btu/gal. at 60°F 136,079

Sulfur Content 0.55 % by weight

Water by distillation 4.40 % by volume

> Respectfully submitted, CDMMERCIAL TESTING & ENGINEERING CD.

Manager, South Holland Laboratory



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PLEASE ADDRESS ALL C 16130 VAN DRC SO

> ŤEL TELEX: 2

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

Sample identit

Sample identification by Custom Blended Oi

April 16, 1987

ATTN: David F. Wheeland

Kind of sample reported to us Oil

Code House

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

#

Date received 4/16/87

Analysis report no. 71-37207

Gravity:

Heating value:

Sulfur Content 0.55 % by weight

Water by distillation 4.40 % by volume

Respectfully submitted, POMMERCIAL TESTING & ENGINEERING CO.

D. W. Cin.

Manager, South Holland Laboratory



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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PLEASE ADDRESS ALL CORRESPONDEN: 16130 VAN DRUNEN RD., P.O. BC SOUTH HOLLAND, IL TELEPHONE: (312) 26 TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

David F. Wheeland ATTN:

April 16, 1987

Code 2-4

5-14

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/14/87

Analysis report no. 71-36093

Gravity: Specific at 60/60°F 0.8805 Lb per gal. at 60°F 7.332 °API ... 29.2~ Heating value: Btu/lb. 18,996 Btu/gal. at 60°F 139,281 Viscosity At: 100°F Saybolt Universal 88.3 seconds 100°F Kinematic 17.7 centistokes 175.1 ppm, as rec'd Lead, Pb Total Halogens 542.1 ppm, as rec'd

> Respectfully submitted, MMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

F-464 T 12 /AC



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PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

April 16, 1987

David F. Wheeland ATTN:

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Code 1-S 5-14

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled

Date received 4/14/87

Analysis report no. 71-36092

Gravity:

0.8871 Specific at 60/60°F 7.387 Lb per gal. at 60°F 28.0

Heating value:

Btu/lb. 18,798 Btu/gal. at 60°F 138,859

Viscosity At:

250.0 seconds 100°F Saybolt Universal 53.9 centistokes 100°F Kinematic

208.6 ppm, as rec'd

Total Halogens 740.6 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory



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GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHDNE: (312) 264-1173 TELEX: 285950 CDMTECO SH UR

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

July 21, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us ----

Sample - #4 - Hopedale

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled _____

Date received 7/20/87

Analysis report no. 71-40949

Gravity:

Heating value:

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cyc

Manager, South Holland Laboratory



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 6014B • (312) 953-9300

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PLEASE ADDRESS ALL CDRRE: 16130 VAN DRUNEN F SOUTH HC TELEPHON TELEX: 285950 C

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

July 23, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils,

Kind of sample reported to us ---Sample taken at ----

Sample - #4 - Hopedal

Sample taken by Custom Blended Oils, Inc.

Date received 7/20/87

Date sampled ~----

Analysis report no. 71-40949

Revised Report

Gravity:

Heating value:

Sulfur Content 1.34 % by weight

Respectfully submitted, **COMMERCIAL TESTING & ENGINEERING CO.**

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection



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PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

July 27, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us ---
Sample taken at ---
Sample taken by Custom Blended Oils, Inc.

Date sampled ---
Date received 7/20/87

Analysis report no. 71-40948

1.73 % by weight Ash Content Flash Point, Pensky-Martens 185°F Gravity: Specific at 60/60°F 0.9047 7.534 Lb. per gal. at 60°F Heating value: Btu/1b. 18,727 Btu/gal. at 60°F 141,089 Sulfur Content 1.12 % by weight 51.4 ppm, as rec'd Lead, Pb Cadmium, Cd 0.7 ppm, as rec'd .. 17.9 ppm, as rec'd Chromium, Cr <.2 ppm, as rec'd Arsenic, As Total Halogens 1,618.8 ppm

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

and W. Cy

Manager, South Holland Laboratory

E-464

Charler Memb

TENCO LABORATORILS DIVN. OF THX, INC.

STATE BANKS STATE

1150 Junction Avenue - Schererville, Indiana 46375

1-219-322-2560 • 1-800-428-3311

Bill Petrich Independent Sampling 1551 West 187th St. Homewood, IL 60430

REPORT TO:

•

Date:	
8/5/87	ē

)

Recd:
7/29,
/87

E0 #: 19-1148

DESCRIPTION: — > R&L Truck Cleaners Cleaners Cleaners Cleaners Bended Colston Ppm BOA METERS: United Cols Colston			,	*			
4830-7 E&L Truck Cleaners Custom Blended Oils 0.74							
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4830-7 E&L Truck Cleaners Custom Blended Oils 0.74							
		-	,				
	-					0.74	% Sulfur
mp ID No.:			·				Unless otherwise noted; esults in parts per illion - ppm] PARAMETERS:
						E&L Truck	DESCRIPTION:>
						4830~7	Laboratory Smp ID No.:

DATE

9/4/87

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6

RESULTS OF ANALYSIS: E & L
SAMPLE SUBMITTED: 8/7/87
DESIGNAS DEDUDTED. 0.405.407

PARAMETER	RESULT	SF
Flash Point	170 F	140 F. or Great
% Chlorine	1.87 *	4,000 ppm
ARSENIC	0.4	5 pc
CADMIUM	2.22 *	2 pp
CHROMIUM (total)	4.77	10 pp
LEAD	206 *	100 p
		•

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:	,	
	±	

Independent Sampling and Services:

By Daniel Tetal

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:

R & S

DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	1B0 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	21.7 *	10 ppm
LEAD	68.2	100 ppm
LLAU	00.2	

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services:

By Daniel fetals

RESULTS OF ANALYSIS:	EBO Ader	DATE	9/4/87
SAMPLE SUBMITTED:	/7/8 7 -		
DECULTO DEDDDEED.	/or /oz		

PARAMETER	RESULT	SPEC.
Fiash Point	200 F	140 F. or Greater
% Chlorine	0.29	4,000 ppm
ARSENIĆ	0.4	5 ppm
CADMIUM	0.201	2 ppm
CHROMIŪM (total)	1.80	10 ppm
LEAD	17.4	100 ppm

Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:			
		· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·		. <u> </u>	
		· · · · · · · · · · · · · · · · · · ·	,
Independent Sampl	ing and Services:	By	Jums - clark

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	ILL Rec.	DATE	9/4/87
·			
SAMPLE SUBMITTED: 8/7/8	87		
· · · · · · · · · · · · · · · · · · ·			
RESULTS REPORTED: 8	/25/87		

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	1.10	. 10 ppm
LEAD	104 *	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:				
	<u> </u>			······································
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			· · · · · · · · · · · · · · · · · · ·	

Independent Sampling and Services:

By Daning Jetish

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas	DATE 9/4/87
SAMPLE SUBMITTED: <u>B/7/87</u>	- .
RESULTS REPDRTED: 8/25/87	-

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.84	2 ppm
CHROMIUM (total)	0.962	10 ppm
LEAD	145 *	100 ppm
	1	

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services:

By Danil Jesters



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITÉ 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRE: 16130 VAN DRUNEN R SOUTH HC TELEPHON TELEX: 285950 C

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils,

Kind of sample reported to us

House Stock #1

Sample taken at

Sample taken by Custom Blended Oils, Inc.

Date sampled

Date received 9/2/87

Analysis report np. 71-43306

Sulfur Content 0.45 % By Weight

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORF 16130 VAN DRUNEN SOUTH ! TELEPH! TELEX: 28595(

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils

House Stock #2

Kind of sample reported to us

Sample taken at

Custom Blended Oils, Inc.

Date sampled

Date received 9/2/87

Analysis report no. 71-43307

Sulfur Content 0.56 % By Weight

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSI	S: R&S Waste oil	•	DATE	11/16/87
SAMPLE SUBMITTED:	11/1/87			
RESULTS REPORTED:	11/16/87	<u> </u>		

PARAMETER	RESULT	SPEC.
Flash Point	145 F.	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than 0.03	5 ррт
CADMIUM	0.538	2 ppm
CHROMIUM (total)	Less than 0.01	10 ppm
LEAD	24.1	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:			
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			1 0

Independent Sampling and Services:

By Daniel John

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

Flash Point *110 F. 140 F. or Great 4,000 ppm ARSENIC Less than 0.03 5 pm CADMIUM 0.865 2 pm CHROMIUM (total) Less than .01 10 pm LEAD 84.0 100 EXAMPLE 100 100 ARSENIC Less than .01 10 pm LEAD 84.0 100	· ·	1/1/87	
PARAMETER RESULT Flash Point Chlorine 0.18 Less than 0.03 CADMIUM 0.865 CHROMIUM (total) Less than .01 LEAD BY Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	RESULTS REPORTED: 1	1/16/87	
PARAMETER RESULT Flash Point Chlorine 0.18 Less than 0.03 CADMIUM 0.865 CHROMIUM (total) Less than .01 LEAD BY Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.			
Flash Point *110 F. 140 F. or Great 4,000 ppm ARSENIC Less than 0.03 5 pm CADMIUM 0.865 2 pm CHROMIUM (total) Less than .01 10 pm LEAD 84.0 100 DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	,		
Flash Point *110 F. 140 F. or Great 4,000 ppm ARSENIC Less than 0.03 5 pm CADMIUM 0.865 2 pm CHROMIUM (total) Less than .01 10 pm LEAD 84.0 100 DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.			
ARSENIC Less than 0.03 CADMIUM O.865 Less than .01 LEAD B? Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	PARAMETER	RESULT	SPE
ARSENIC Less than 0.03 CADMIUM O.865 CHROMIUM (total) Less than .01 LEAD BU Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	Flash Point	*110 F.	140 F. or Greate
CADMIUM CHROMIUM (total) Less than .01 LEAD 84.0 SOLF **Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.		0.18	4,000 ppm
CHROMIUM (total) Less than .01 84.0 100 SOUF AS 14 Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	ARSENIC	Less than 0.03	5 ррп
CHROMIUM (total) Less than .01 84.0 100 SULF FS /+ Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	CADMIUM	0.865	2 ppm
Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	CHROMIUM (total)	Less than .01	10 ppr
Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	LEAD U	84.0	100 рр
Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	SULF		· <u>············</u>
	17	ndard for "Used Oil"	
	DATA RESULTS IN PART	S PER MILLION UNLESS OTHER WI	SE INDICATED.
COMMENTS:	· world		
	COMMENTS:		
			· <u>·</u> ··································

Independent Sampling and Services:

By Danis Jolah

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

DATE 11/16/87

RESULTS OF ANALYSI	S: CBO Ford 10/30
SAMPLE SUBMITTED:	11/1/87
RESULTS REPORTED:	11/16/87

PARAMETER	RESULT	SPE(
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.374	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	134	100 ppr

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services:

By January fathank

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO Greenfield	DATE 11/16/87
SAMPLE SUBMITTED: 11/1/87	
RESULTS REPORTED: 11/16/87	•

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total)	170 F. 0.26 0.76 0.57 Less than .01 27.6	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:		•		
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<u> </u>		· · · · ·	0	

Independent Sampling and Services:

By Daniel John

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS:	CBO FORD,10/27	DATE	11/16/8/
SAMPLE SUBMITTED:	10/27/87		
RESULTS REPORTED:	11/16/87		

PARAMETER	RESULT	SPE(
. Flash Point	Greater than 200 F	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.295	2 ppm
CHROMIUM (total)	.01	10 ppm
LEAD	25.1	100 ррг

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

		:	
			
		* ₀	

Independent Sampling and Services:

By Daniel fetrik



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE 16130 VAN DRUNEN RD., P.O. BOX SOUTH HOLLAND, IL 6 TELEPHONE: (312) 264-TELEX: 285950 COMTECO SI

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

ATTN: Ron Winkle December 10, 1987

Sample identification

by Custom Blended Oils, Inc.

Kind of sample

reported to us

#6 Oil

Sample taken at

Sample taken by

Custom Blended Oils, Inc.

Sulfur Content

Date sampled

Date received

12/10/87

Code #2,000 AX 4,000 H

Analysis report no. 71-48113

Gravity: 0.9346 Specific at 60/60°F Lb per gal. at 60°F 7.783 19.9 •API . Heating Value: 18,402 Btu/lb. Btu/gal. at 60°F 143,223

> Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

1.03 % By Weight



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESP 16130 VAN DRUNEN RD.. SOUTH HOLL TELEPHONE: TELEX: 285950 CO:

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

December 10, 1987

ATTN: Ron Winkle

Sample identification by Custom Blended Oils,

Kind of sample

reported to us #6 Oil

Code #1,000 AX 5,000 H

Sample taken at _____

Sample taken by Custom Blended Oils, Inc.

Date sampled _____

♥ Date received 12/10/87

Analysis report no. 71-48112

Sulfur Content 0.75 % By Weight

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

RESULTS OF ANALYSIS:		DATE	8/6/86
SAMPLE SUBMITTED:	7/25/86		
RESULTS REPORTED:	7/31/86		
ARAMETER	RESULT		SPEC
lash Point	160° F		140 F. or Greater
Chlorine	0.28		4,000 ppm
RSENIC	2.35		5 ppm
MUIMDA	0.55		2 ppm
HROMIUM (total)	1.55		10 ppm
	* 242.0	•	100 ppm

COMMENTS:					
					
	•				
					
					
Indopendent S	ampling and Servi	rac.	Ву	Mike Petrich	

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

PARAMETER Flash Point % Chlorine ARSENIC CADMIUM	<u>15/86</u> <u>36</u>	
PARAMETER Flash Point % Chlorine ARSENIC	36	
Flash Point % Chlorine ARSENIC		
Flash Point % Chlorine ARSENIC		
% Chlorine ARSENIC	RESULT	SP.EC.
CHROMIUM (total) LEAD	Greater than 200° F 0.33 Less than 0.001 1.26 1.30 509.0	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
*Exceeds current standard DATA RESULTS IN PARTS PER	for "Used Oil" MILLION UNLESS OTHER WISE IN	NDICATED.
COMMENTS:		

Mike Petrich

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: South West Oil	DATE_	9/2/86
SAMPLE SUBMITTED:	8/15/86 	
PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	180° F Less than .05 Less than 0.001 1.36 1.85 204.0	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
	ndard for "Used Oil" 'S PER MILLION UNLESS OTHER WISE I	NDICATED.
COMMENTS:		
		

Ву_

Independent Sampling and Services:

Mike Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas Waste	DATE	9/2/86
SAMPLE SUBMITTED: 8/15	5/B6	
RESULTS REPORTED: 8/27	7/86	·
PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current standa DATA RESULTS IN PARTS F	Greater than 200° F Less than 0.05 Less than 0.001 1:30- 0.93 418.0 ard for "Used Oil" PER MILLION UNLESS DTHER WISE IN	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:	·	

Ву

Mike Petrich

ndependent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S Waste Oil		DATE	9/2/86
SAMPLE SUBMITTED: 8	/15/86		
RESULTS REPORTED: 8	/27/86		
PARAMETER	RESULT		SPEC
Flash Point % Chlorine	Greater than 200° F		140 F. or Greater 4,000 ppm
ARSENIC	Less than 0.001		5 ppm
CADMIUM	1.74		2 ppm
CHROMIUM (total)	1.85		10 ppm
LEAD	983.0	•	100 ppm
*Exceeds current stand	dard for "Used Oil" PER MILLION UNLESS OTHER	WISE IND	DICATED.
COMMENTS:		·	
			
	<u> </u>	·	

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

September 11, 1986

Mr. Ron Winkle E.& L. Tank Cleaners P.O. Box 41 Peotone Illinois 60468

RE: Results of Composite Sample

Dear Ron,

Listed below are the results of the sample taken on 8/6/86, which is the mate in #10 tank.

BTU/lb.	18,738
Viscosity	332 secs. SUS @ 100 F
Sulfur	0.5%
Ash	0.74%
RS & W	0.05%

The viscosity was originally run at 115 centipoises, and the request of Mr. Wheeland was that it be run by SUS Universal Saybolt, which the above figure represents.

Thank you for your continued support of I.S.S.

Sincerely,

Mike Petrich

RESULTS OF ANALYSIS:	Southwest Oil	DATE9/22/	86
SAMPLE SUBMITTED: 9	/17/B6		
RESULTS REPORTED: 9	/22/86		
PARAMETER	RE	SULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM	200° F 0.05 0.04 1.81		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
CHROMIUM (total) LEAD	3.94		100 ppm
*Exceeds current star DATA RESULTS IN PARTS			TED.
COMMENTS:			
Independent Sampling	and Services:	By <u>Mike Petri</u>	.ch

RESULTS OF ANALYSIS:	Atlas #32	DATE	9/22/86
SAMPLE SUBMITTED:9/	17/86		
RESULTS REPORTED: 9/	(22/86		
PARAMETER		RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200° F 0.05 0.04 2.34 5.17 504.0		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
*Exceeds current stan DATA RESULTS IN PARTS			DICATED.
COMMENTS:			
Independent Sampling	and Services:	By Mike	Petrich

RESULTS OF ANALYSIS: I	9/22/86		
SAMPLE SUBMITTED: 9/1	7/86		
RESULTS REPORTED: 9/2	2/86		
	_		
PARAMETER	RESULT	SPEC.	
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current standa DATA RESULTS IN PARTS F	200° F 0.05 0.04 1.74 3.45 266.0 ard for "Used Oil" PER MILLION UNLESS OTHER WISE	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm	
COMMENTS:			
Independent Sampling ar	nd Services: By Mik	e Petrich	

RESULTS OF ANALYSIS: F	. &S	DATE9/22/8	6
SAMPLE SUBMITTED: <u>9/1</u> 7	7/86		
RESULTS REPORTED: 9/22	/B6		
PARAMETER	RESULT		SPEC.
Flash Point	142° F	140	F. or Greater
% Chlorine	1.1B	4,0	00 ppm
ARSENIC	0.04		5 ppm
CADMIUM	1.93		2 ppm
CHROMIUM (total)	3.69		10 ppm
LEAD	160.1		10D ppm
*Exceeds current standa DATA RESULTS IN PARTS F		R WISE INDICATED).
COMMENTS:			
Independent Sampling ar	nd Socyicos:	y_Mike_Petcich_	

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: S	outhwest	DATE	10/22/86		
	SAMPLE SUBMITTED: 10/17/86				
RESULTS REPORTED: 10	/22/86				
PARAMETER	RESULT		SPEC.		
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200° 0.05 0.04 1.14 4.28 187.0		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm		
*Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.					
COMMENTS:					

By Mike Petrich

Independent Sampling and Services:

0/22/86
SPEC.
140 F. or Greater
4,000 ppm
5 ppm
2 ppm
10 ppm
100 ppm
CATED.

RESULTS OF ANALYSIS: I	ll. Recovery	DATE	.10/22/86
SAMPLE SUBMITTED: 10/	17/86		
RESULTS REPORTED: 10/2	22/86		
PARAMETER	RESULT		SPEC
Flash Point % Chlorine	180° 0.05		140 F. or Greater 4,000 ppm
ARSENIC	0.04	•	5 ppm
CADMIUM	1.52		2 ppm
CHROMIUM (total)	4.17		10 ppm
LEAD	337.0		100 ppm
*Exceeds current standa DATA RESULTS IN PARTS F COMMENTS:		ER WISE IND	PICATED.
Independent Sampling ar	nd Services: B	By Mike Pe	etrich

RESULTS OF ANALYSIS: R.S.	Waste Oil	DATE	10/22/86
SAMPLE SUBMITTED: 10/17/8	6		
RESULTS REPORTED: 10/22/8	6		
PARAMETER	RESULT		SPEC
	,		
Flash Point	175°		140 F. or Greater
% Chlorine	D.05		4,000 ppm
ARSENIC	0.04		5 ppm 2 ppm
CADMIUM	1.18		10 ppm
CHROMIUM (total) LEAD	4.49 54 4. 0		100 ppm
	JTT• 0		1
*Exceeds current standard DATA RESULTS IN PARTS PER COMMENTS:		HER WISE IND	ICATED.
Independent Sampling and S	Services:	ByMike Po	oteich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:		DATE	8/6/86
SAMPLE SUBMITTED: 7/2	25/86		
RESULTS REPORTED: 7/	31/86		
PARAMETER	RESULT		SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current standa DATA RESULTS IN PARTS P		ER WISE IND	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:			

By Mike Petrich

Independent Sampling and Services:

RESULTS OF ANALYSIS: ILL. Rec. System	DATE_9	/2/86
SAMPLE SUBMITTED:	8/15/86	
RESULTS REPORTED: 8/2	7/86	
PARAMETER	RESULT	SPEC.
PARAMETER	NESUE1	JI,EG:
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	0.33	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.26	2 ppm
CHROMIUM (total)	1.30	10 ppm
LEAD	509.0	100 ppm
*Exceeds current standa DATA RESULTS IN PARTS F	ard for "Used Oil" PER MILLION UNLESS OTHER WISE IN	DICATED.
COMMENTS:		
		······································
·	·	
Independent Sampling ar	nd Services: By Mike H	Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: South West Oil		DATE 9/2/86	DATE 9/2/86	
SAMPLE SUBMITTED: 8	/15/86			
RESULTS REPORTED:	8/27/86			
PARAMETER	RESULT	····	SPEC.	
lash Point Chlorine ARSENIC CADMIUM CHROMIUM (total)	180° F Less than .05 Less than 0.001 1.36 1.85 204.0	į	Greater 5 ppm 2 ppm 10 ppm	
Exceeds current stan	dard for "Used Oil" PER MILLION UNLESS OTHE	R WISE INDICATED.		
COMMENTS:				

Ву

Mike Petrich

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas Waste	DAT	E9/2/86
SAMPLE SUBMITTED: B/15/B6		
RESULTS REPORTED: 8/27/86		
PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current standard f DATA RESULTS IN PARTS PER M		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:		

Mike Petrich

Ву

Independent Sampling and Services:

RESULTS OF ANALYSIS: R&S Waste Oil		DATE	9/2/86
SAMPLE SUBMITTED: 8	/15/86		
RESULTS REPORTED: 8	/27/86		
PARAMETER	RESULT	· · · · · · · · · · · · · · · · · · ·	SPEC
Flash Point % Chlorine	Greater than 200° F 0.57		140 F. or Greater 4,000 ppm
ARSENIC	Less than 0.001		5 ppm
CADMIUM	1.74		2 ppm
CHROMIUM (total)	1.85		10 ppm
LEAD	983.0		10D ppm
*Exceeds current standa DATA RESULTS IN PARTS I	ard for "Used Oil" PER MILLION UNLESS OTHER	WISE IN	IDICATED.
COMMENTS.			
· · · · · · · · · · · · · · · · · · ·		-	······································
Independent Sampling ar	nd Soggions By		Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6.

September 11, 1986

Mr. Ron Winkle E.& L. Tank Cleaners P.O. 8ox 41 Peotone Illinois 60468

RE: Results of Composite Sample

Dear Ron,

Listed below are the results of the sample taken on 8/6/86, which is the main #10 tank.

8TU/1b.	18,7 38
Viscosity	332 secs. SUS @ 100
Sulfur	0.5%
Ash	0.74%
8.S. & W.	0.05%

The viscosity was originally run at 115 centipoises, and the request of Mr. Wheeland was that it be run by SUS Universal Saybolt, which the above figur represents.

Thank you for your continued support of I.S.S.

Sincerely,

Mike Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	Southwest Oil	DATE9/	/22/86
SAMPLE SUBMITTED: 9/	17/86	·	
RESULTS REPORTED: 9/2	22/86		
PARAMETER	RESULT		SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current stand	200° F 0.05 0.04 1.81 3.94 274.0		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
DATA RESULTS IN PARTS COMMENTS:	PER MILLION UNLESS OTH	ER WISE IND:	ICATED.
			<u> </u>

By Mike Petrich

	/17/86			
RESULTS REPORTED: 9	/22/86			
DADAWETED	RESULT			S
PARAMETER			440 =	
Flash Point	200° F].	140 F. or	Grea
% Chlorine	0.05		4,000 ppm	Ε -
ARSENIC	0.04			5 p
CADMIUM	2.34			2 p
CHROMIUM (total)	5.17	}		10 p
I L A))	504.0	ļ		100
LEAD	504.0			
*Exceeds current star	ndard for "Used Oil"			
*Exceeds current star		WISE INDIC	CATED.	
*Exceeds current star	ndard for "Used Oil"	WISE INDIC	CATED.	
*Exceeds current star	ndard for "Used Oil"	WISE INDIC	CATED.	
*Exceeds current star DATA RESULTS IN PARTS	ndard for "Used Oil"	WISE INDIC	CATED.	
*Exceeds current star	ndard for "Used Oil"	WISE INDIC	CATED.	
*Exceeds current star DATA RESULTS IN PARTS	ndard for "Used Oil"	WISE INDIC	CATED.	
*Exceeds current star DATA RESULTS IN PARTS	ndard for "Used Oil"	WISE INDIC	CATED.	

RESULTS OF ANALYSIS: I	LL. Rec.	DATE9	9/22/86
SAMPLE SUBMITTED: 9/1	7/86	_	
RESULTS REPORTED: 9/2	2/86	_	
PARAMETER	RESI	ULT	SPEC
Flash Point % Chlorine	200° F 0.05		140 F. or Greater 4,000 ppm
ARSENIC CADMIUM	0.04 1.74		5 ppm 2 ppm
CHROMIUM (total) LEAD	3.45 266.0		10 ppm 100 ppm
*Exceeds current stand DATA RESULTS IN PARTS		OTHER WISE IND	DICATED.
COMMENTS:			•
Independent Sampling a	ad Cassiana	. By Mike F	Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	R&S	DATE 9/22/86
SAMPLE SUBMITTED: 9/1	7/86	
RESULTS REPORTED: 9/2	2/86	
	·	
PARAMETER	RESULT	SPEC.
Flash Point	142° F	140 F. or Greater
% Chlorine	1.18	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.93	2 ppm
CHROMIUM (total)	3.69	10 ppm
LEAD	160.1	100 ppm
*Exceeds current stand DATA RESULTS IN PARTS	ard for "Used Oil" PER MILLION UNLESS OTHER	WISE INOICATEO.
COMMENTS:		
_,		

By Mike Petrich

% Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28	RESULTS OF ANALYSIS: So	uthwest	DATE	10/22/86
PARAMETER RESULT Flash Point 200° 140 F. or 6 % Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.				
PARAMETER RESULT Flash Point 200° 140 F. or 6 % Chlorine 0.05 4,000 ppm ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	SAMPLE SUBMITTED: 10/1	7/86		
PARAMETER RESULT Flash Point 200° 140 F. or 6 % Chlorine 0.05 4,000 ppm ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	RESULTS REPORTED: 10/	22/B6		
Flash Point 200° 140 F. or 6% Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.				•
Flash Point 200° 140 F. or 6 % Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.				
Flash Point 200° 140 F. or 6% Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.				
Flash Point 200° 140 F. or 6 % Chlorine 0.05 ARSENIC 0.04 CADMIUM 1.14 CHROMIUM (total) 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	PARAMETER	RESULT		SPI
% Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.		200°		140 F. or Greate
ARSENIC CADMIUM CHROMIUM (total) LEAD 1.14 4.28 LEAD 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	% Chlorine			4,000 ppm
CHROMIUM (total) 4.28 187.0 *Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	ARSENIC .			5 ppr
*Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	CADMIUM	1.14		2 ppr
*Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	CHROMIUM (total)	4.28		10 ppr
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.	LEAD	187.0		100 pp
COMMENTS:	*Exceeds current standa	187.0 rd for "Used Oil"	ER WISE IND	<u>l . : </u>
	COMMENTS:			•
			<u>.</u> .	
Independent Sampling and Services: By Mike Petrich				

ESULTS OF ANALYSIS:	Atlas	DATE	10/22/B6
AMPLE SUBMITTED: 10/	17/B6		
ESULTS REPORTED: 10	/22/86		
ARAMETER	RESULT		SPEC.
lash Point	166°		140 F. or Greater
S Chlorine	0.05		4,000 ppm
ARSEN1C	0.04		5 ppm
ADMIUM	1.23		2 ppm
:HROMIUM (total)	3.B6		10 ppm
.EAD	220.0		100 ppm
Exceeds current stand DATA RESULTS IN PARTS	dard for "Used Dil" PER MILLION UNLESS DTHE	ER WISE IN	DICATED.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RÉSULTS OF ANALYSIS: 111	. Recovery	DATE	10/22/86
SAMPLE SUBMITTED: 10/17	/86		
RESULTS REPORTED: 10/22	/86		
	•		
PARAMETER	RESULT		SPE
Flash Point	180°		140 F. or Greate
% Chlorine	0.05		4,000 ppm
ARSEN1C	0.04		5 ppm
CADMIUM	1.52		2 ppm
CHROMIUM (total)	4.17		10 ppm
LEAD	337.0		100 pp
*Exceeds current standard DATA RESULTS IN PARTS PE	•	R WISE 11	NDICATED.
COMMENTS:	·		
	-		
		•	· · · · · · · · · · · · · · · · · · ·

RESULTS DF ANALYSIS: R.S.	Waste Oil	DATE	10/22/86
SAMPLE SUBMITTED: 10/17/8	6		·
RESULTS REPORTED: 10/22/8	6		
PARAMETER	RESULT		SPE
Flash Point	175°		140 F. or Greate
% Chlorine	0.05		4,000 ppm
ARSENIC	0.04		5 ppm
CADMIUM	1.18		2 ррп
CHROMIUM (total)	4.49	•	10 ррп
LEAD	544.0		100 pp
*Exceeds current standard DATA RESULTS IN PARTS PER		WISE IND	ICATED.
COMMENTS:		 -	
· · · · · · · · · · · · · · · · · · ·			
		· .	·
Independent Sampling and S	Services: Sy	Mike Pe	et cich

TENCO LABORATORIL DIVN. OF THX, INC. 1150 Junction Avenue - Schererville, Indiana 46375

1-219-322-2560 • 1-800-428-3311

60468

Peotone, IL

PO Box 41

Ernie Winkle E&L Tank Cleaners

REPORT TO:

11/25/86 Date:

11/3/86 Recd: 18-1248 £009

	·												
													(N/, N
		,									V	/ /	<u> </u>
5462-6	Well #4	10.50	0.285	0.030	<0.002								Contilina hus
5461-6	Well #3	0.501	0.052	<0.002	0.030								
5460-6	Well #2	0.171	0.370	<0.002	<0.002					j			
5459-6	Well #1	0.120	0.131	<0.002	<0.002		·					,	
Labonatony Smp ID No.:	[Unless otherwise noted; nesults in parts per million - ppm]	PARÁMETERS:V Total Iron	Manganese	Zinc	Silver								

SAMPLE SUBMITTED:	1/2/86		
RESULTS REPORTED:	1/15/86		
PARAMETER	RESUL 7		SPEC
Flash Point	165°		140 F. or Greater
% Chlorine	.05		4,000 ppm
ARSENIC	.04		5 ppm
CADMIUM	12.6	•	2 ppm
CUDOMITIMA /+-+-11	2.86		10 ppm
CHROMIUM (total)			
LEAD	120		100 ррп
*Exceeds current star	120	HER WISE IND	100 ppm
*Exceeds current star	120 ndard for "Used Oil"	HER WISE IND	<u></u>
*Exceeds current star	120 ndard for "Used Oil"	HER WISE IND	<u></u>

SAMPLE SUBMITTED: 11	1/2/86	
SAMPLE SUBMITTED.	1/2/80	
RESULTS REPORTED:	1/15/86	
		·
PARAMETER	RESULT	
Flash Point	200°	140 F. or Gree
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 1
CADMIUM	1.47	2
CHROMIUM (total)	2.14	10 (
LEAD	148	100
*Exceeds current star DATA RESULTS IN PARTS CDMMENTS:	ndard for "Used Oil" S PER MILLIDN UNLESS OTHER	R WISE INDICATED.

RESULTS OF ANALYSIS: A	itlas waste oil	DATE 11	/1//86
SAMPLE SUBMITTED:1	/2/86		
RESULTS REPORTED: 11	/15/86		
PARAMETER	RESUL	<u> </u>	SPEC.
Flash Point	175°		140 F. or Greater
% Chlorine	0.4		4,000 ppm
ARSENIC	.04		5 ppm
CADMIUM	8.23		2 ppm
CHROM1UM (total)	4.21		10 ppm
LEAD	441	;	100 ppm
*Exceeds current stand DATA RESULTS IN PARTS		THER WISE IND	ICATED.
COMMENTS:			
		·	·
Independent Sampling		By Mike	Petrich

SAMPLE SUBMITTED: 11	/2/86		
RESULTS REPORTED: 11	/15/86		
PARAMETER		RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200° .05 .04 1.93 3.16 238		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
*Exceeds current stan			DICATED.

SAMPLE SOURCE: South West Oil

Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

FARAMETER;	RESULT;	SPEC;
Flash Point:	200 F	140 F
% Chlorides:	0.36 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.58 ppm	2.0 ppm
Chromium (total):	2.90 ppm	10.0 ppm
Lead:	276.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

By Bill Detrich

SAMPLE SOURCE: South West Oil

Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER; RESULT; SPEC; Flash Point: 200 F 140 F 140 F. % Chlorides: 4,000 ppm Arsenic: 5 ppm Cadmium: 2 ppm Chromium (total): 10 ppm Lead: 100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to be down-blended to meet the specifications set out for "Used Oil".

... Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: R. & S. Waste Dil Sample No. 61

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER: RESULT; SPEC; Flash Point: 200 F. 140 F. 140 F. % Chlorides: 4,000 ppm Arsenic: 5 ppm Cadmium: 2 ppm Chromium (total): 10 ppm Lead: 100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be diblended for use in industrial boiler applications only.

Independent Sampling and Services:

BV: Bill Petrich

 SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SHMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

RESULT;	SPEC;		
200 F.	140 F.		
.05 %	4,000 ppm		
.04 ppm	5 ppm		
1.96 ppm	2.0 ppm		
3.55 ppm	10 ppm		
301 ppm	100 ppm		
	200 F. .05 % .04 ppm 1.96 ppm 3.55 ppm		

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be doublended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.78 ppm	2.0 ppm
Chromium (total):	3.26 ppm	10.0 ppm
Lea d:	288 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and shoul be down-blended with other low lead fuels to an acceptable level.

SAMPLE SOURCE: Illinois Recovery Co.

Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER: RESULT; SPEC: Flash Point: 200 F. 140 F. 140 F. % Chlorides: 4,000 ppm Arsenic: 5 ppm Cadmium: 2 ppm Chromium (total): 10 ppm Lead: 100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

... Independent Sampling and Services;

By, Bill Petrich

CERICE Symmitted by: Saybolt & dendiying Marks Sample designated as: red by the extenses -angise is statistical money and second - CE 11 13 ionger for a minos of 45 days unless a erove at the time samples were Samples, etc. y, shall be retained received at the laboratory. insults were based an analysis unless whiten consent is received from a verticer of E. W. Seybolt & shall not be used in connection aublished or rised except in full. It with any form of adventising This laboratory report may not be Allier Otl indicate is requested in NOTARKERS 20758 (O) DOMEST TO Co. Inc DATE: _ CUSTOMER REF. NO.: Vis, Pour Point ASTH D-97 3 & W % ASSM D-1796 Flash PM ASTM D-03 Sulphur % 4T. ASTA D-1552 Gravity API @ 60°F ASTM D-287 (SFS @ 1220F) ASTM D-88 12-18-86 AT WISERS ASTRO SISATANA INVOICE NO.: (ID) 7527 LASORATORY NO : VESSEL/TANK(S): _ 1,000 t 1,000 t 1,000 t

A TOUR OF THE

4300, ELIKOIS 65501

312-562-4714

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LABOHATORY ANALYSIS REPOR

1-24 17/S

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

Independent Sampling and Services:

By Mike Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Ho	ouse Stock	DATE_	10/22/86
SAMPLE SUBMITTED: 10/17	7/86		
RESULTS REPORTED: 10/2	22/86		
PARAMETER	RESULT		SPEC.
			
Flash Point	158°		140 F. or Greater
% Chlorine	0.05		4,000 ppm
ARSENIC CADMIUM	0.04		5 ppm
CHROMIUM (total)	1.24		2 ppm
LEAD	3.11 171.0		10 ppm 100 ppm
<u> </u>			
* Exceeds current standar	d for "Used Oil"		
DATA RESULTS IN PARTS PE	R MILLION UNLESS OTHER	WISE IN	NDICATED.
COMMENTS:			
	·	<u> </u>	· · · · · · · · · · · · · · · · · · ·
		<u> </u>	

RESULTS OF ANALYSIS:	House Stock	DATE	9/22/86
SAMPLE SUBMITTED:9/	17/86	-	
RESULTS REPORTED: 9/	22/86		
		•	
PARAMETER	RESU	LT	SPEC.
Flash Point Chlorine CRSENIC CADMIUM CHROMIUM (total) EAD EXCEED EXCEEDS CURRENT STAND		OTHER WISE IND	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:		·	
·		·	
independent Sampling a	4.6	n	

RESULTS DF ANALYSIS: House stock	DA?	DATE 9/2/86		
SAMPLE SUBMITTED: B	/15/86			
RESULTS REPORTED:	8/27/86			
PARAMETER	RESULT	SPEC		
Flash Point % Chlorine	Greater than 200° F Less than 0.05	140 F. or Greater 4,000 ppm		
ARSENIC	Less than 0.001	5 ppm		
CADMIUM	0.70	2 ppm		
CHROMIUM (total)	0.93	10 ppm		
LEAD	173.D	100 ppm		
*Exceeds current star DATA RESULTS IN PARTS COMMENTS:	ndard for "Used Oil" S PER MILLION UNLESS OTHER WISE	E INDICATED.		
	· · · · · · · · · · · · · · · · · · ·			
Independent Sampling	and Services: By Mi	ka Pataich		

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63

RESULTS	0F	ANALY	/SIS:	В	&	D	0il
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DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPE
Flash Point	183 F.	140 F. or Greate
% Chlorine	<0.05	4,D00 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.265	2 ppm
CHROMIUM (total)	0.040	10 ppm
LEAD	8.39	100 pp

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

March 1988 Through December 1988

DMMENTS:

independent Sampling and Services:

By Bul Etin

RESULTS OF ANALTSTS	: ILL Recovery	DATE	3-8-88
SAMPLE SUBMITTED:	2-23-88		
RESULTS REPORTED:	3-8-88		
PARAMETER	RESUL	Γ	SPEC.
Flash Point	148 F.		140 F. or Greater
% Chlorine	< 0.05		4,000 ppm
,			1
	0.5		5 ppm
ARSENIC CADMIUM	0.5 0.750		5 ppm 2 ppm
ARSENIC CADMIUM			
ARSENIC	0.750 0.42		2 ppm
ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current st	0.750	THER WISE IN	2 ppm 10 ppm 100 ppm
ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current st	0.750 0.42 67.8 andard for "Used Oil"	THER WISE IN	2 ppm 10 ppm 100 ppm

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Van Hosen	DATE 3-8-88
SAMPLE SUBMITTED: 2-23-88	
RESULTS REPORTED: 3-8-88	

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	∠ 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.435	2 ppm
CHROMIUM (total)	0.044	10 ppm
LEAD	39.4	100 ppm
· ·]	

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:			
	 · · · · · · · · · · · · · · · · · · ·		

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS: Tony

DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-B-88

PARAMETER	RESU	T SPEC.
Flash Point	183 F.	140 F. or Greater
% Chlorine	K 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.23	2 ppm
CHROMIUM (total)	1.09	10 ppm
LEAD	* 129	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

ptil exceeds effection is dropping lin

Independent Sampling and Services:

Ву__

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Interstate Pollution DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	158 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.590	2 ppm
CHROMIUM (total)	6.92	10 ppm
LEAD	126	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S

DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.46	2 ppm
CHROMIUM (total)	0.813	10 ppm
LEAD	173*	100 ррт

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

Toad content must be down-liles achieve compliance.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF	ANALYSIS:	CBO Greenfield	DATE	3-8-88	
			-	 	

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	180 F. < 0.05	140 F. or Greater 4,000 ppm
ARSENIC	0.5	4,000 ppm 5 ppm
CADMIUM CHROMIUM (total)	0.700	2 ppm 10 ppm
LEAD	57.8	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

 COMMENTS:			
	 		

Independent Sampling and Services:

By Sie Etur

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:

F & I

DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.15	2 ppm
CHROMIUM (total)	0.515	10 ppm
LEAD	¥ 165	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:	ead is stu	u hyp- an	I sunt
	lowa - blevde		·

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (U. 2) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners P.O. Box 41 Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:	∙્રમ્⊈	₹ 7.≹ 7	Southwest 0il	III. Recovery	Texoma
Flashpoint			200 F +	200 F ÷	200 F +
Arsenic			0.04 ppm	0.19 ppm	0.37 ppm
Cadmium			2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total			0.02 ppm	0.02 ppm	1.39 ppm
Lead -			193 ppm*	96.10ppm	137.0 ppm*
% Chldri	Less	than	0.04	0.04	0.04

Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Dan Petrich I.S.S.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners P.O. Box 41 Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	Ill. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F
Arsenic	. •	0.04 ppm	0.19 ppm	0.37 p
Cadmium	-	2.63 ppm	1.57 ppm	2.35 p
Chromium Total		0.02 ppm	0.02 ppm	1.39 p
Lead -	•	1 93 ppm*	96 . 10ppm	137.0
% Chliri 🚅	Less than	0.04	0.04	0.0

^{*} Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than he been previously experienced.

Dan Petrich

I.S.S.



Quality Blended Fuel Oils

April 4, 1988

Mr. Eugene P. Theios, Manager Administrative Compliance Unit Compliance Section Division of Land Pollution Control Illinois Environmental Protection Agency 2200 Churchill Road Springfield Illinois 62706

> RE: 1970750002-Will County Pre-Enforcement Conference Letter March 23, 1988

Mr. Theios,

After receiving your Pre-Enforcement Letter of March 23, I was embarassed for not having responded to the letter of February 8, 1988. The difficulty seems to have been our inability to locate the specific manifests outlined in the letter of February 8, 1988. (1652233 and 1261287). To date we have been unable to locate copies of either of those two manifests.

The additional manifest mentioned in your March 23, 1988 letter, (1261417) we have located, as well as the manifest relative to the Ford Motor Company of Indianapolis Indiana, (1652061).

At the suggestion of Mr. Bill Petrich, Bill Petrich, environmental services..., we will attempt to explain the confusion that was obviously generated by our lack of complete understanding of the regulations.

- 1. We had applied for a change in the name of our permit to Custom Blended Oils Inc. from E. & L. Tank Cleaners, because we generate fuel oil for heavy industry, and sell this product to industry as Custom Blended Oils Inc. We therefore wanted to operate under one corporate name.
- 2. As of April 4, 1988, our request for name change has not been ruled upon by the Illinois Environmental Protection Agency, Division of Land Pollution Control, and our phone call to Marla Layman indicated that the agency had until the 24th of April. (90 days) to make a decision on the name change.
- 3. Because of this, we contacted Mr. Bob Watson of the permit section, and were informed that if we sent down for supplemental permits, under the name Custom Blended Oils Inc. before the name change was approved, the applications would be rejected.
- 4. In 1987 permits were submitted to the agency for multi-stop service station used oil collectly. The permits were made out on pink application forms.

 Many of the forms were sent back requesting additional information. When the

Multi-stop restricted to serv. stateons.

Modifyied Operated Permit to (" Other Used Oils)

application forms were available. We now have the green forms made out in the name of Custom Blended Oils Inc. and are awaiting the decision by the agency for the requested name change.

- 5. The use of the 000049 Stream Authorization Number by Ford Motor Company was not our doing. Their stream, (purchased oil) is taken to our facility in Greenfield Indiana, where it is agglomerated with other oils, purchased in Indian This is oil is then brought to Peotone for final blending into useable fuel.

 Our understanding is that the manifest requirement would then apply when we bring used oil (Illinois "special waste"), from Greenfield to Peotone, it would be under a supplemental permit issued to Custom Blended Oils Inc. and not Ford Motor Company?
- 6. The state of Indiana no longer has restrictions on the hauling of used crankcase oil, and indeed encourages the re-use of this oil in accordance with the federal mandate to "minimize" waste, and re-cycle and recover in every instance possible. On this basis, will the Illinois Environmental Protection Agency continue to insist on manifests for "purchased" oil, not "waste"?

Mm. Petrich indicated that when he spoke with you, that some "thirty to thirty-five" manifests were now improperly executed, and that each represents a violation of the statute. On this basis we have directed our personnel as follows:

- 1. All manifests made out as of April 4, 1988, will have the name of the permit holding company, E. & L. Tank Cleaners.
- 2. All manifests will have the Stream Authorization Number, issued by the I.E.P.A. and the Illinois, Indiana, Wisonsin, Kentucky, Minnesota, Ohio, identification number, issued by those agencies, state and/or federal.
- 3. For each and every stream received by Custom Blended Oils Inc. a Stream Authorizat number must be applied for on a green application sheet supplied by the I.E.P.A. with all of the information requested given.
- 4. In the case of "multi-stop" service station accumulations, each Licensed Waste Hauler who brings oil to Custom Blended Oils Inc. will have obtained an Illinois Generators Number on behalf of their multiple stops, and will supply to Custom Blended Oils Inc. samples of Oil (special waste), so that appropriate analyses may be performed prior to submission for Stream Authorization Number.
- 5. Samples of each days "receipts" of oil will be kept, and analyzed in accordance with Illinois Environmental Protection Agency Title 35, Subpart E: Used Oil Burned for Energy Recovery 726.143, 726.140.

We apologize for the confusion that was generated as a result of our not implementing policies and procedures as relates to manifest generation, and administration. Please allow that Custom Blended Oils Inc. (E. & L. Tank Cleaners) will endeavor to conform with each and every aspect of the regulation in the future, and that our

willingness to cooperate with the agency is hereby reaffirmed.

Respectfully,

Sancia Frienkle

Ernest Winkle

President

for supplementary permit it is changed from a different

MANIFEETS from Ford should say = 6 minuter

CBO Peolin; II. Our Benevator # goos in Gen Top Genevant

#. (where Ford's Gen. # wes).

WI MANIFOST'S Short read - Gery Remon - WI. to
CBO Peotone (not Muit Lubes).

Proper ID for Used 0:1- Used 0:1 or Crantease Oil (NON-Haz.) FORM CHART REGI

WOO) Non Haz ORME NOW HAZ) - IN DOT Part of Manifest.
used 011) (To-satisfy Dep. of Trans.)

Supplementing permit # for Ind a WI until we get Benevic Pers

MUST have Authorization # (ALL IL- MANIFESTS).

Condy Nelson- Howling of P.W. of Trocks

Appalysis within a year (breen Sheets).

1,000 every 3 mes- cannot be part of a molti-stop.

Generic is on composition of oil!

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

P	FSIII	ΤS	ΛF	ΔΝΔΙ	YSIS.	•
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DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Dukes # 101

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total)	Greater than 140 F. Less than 0.05% Less than 0.40 ppm 1.60 ppm 2.36 ppm	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
LEAD	122.0 ppm *	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

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v	UI.	1111	ᆫ	1.4		J	

This oil should be down-blended with virgin fuel, or recovered oils

containing less lead concentration.

Independent Sampling and Services:

B:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESUL	T۲	ΩF	ΔΝΑΙ	YSIS.	
VESUF	. I J	UI.	MINAL	. I O I O .	

DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Greenfield # 102

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less th a n 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	2.00 ppm	2 ppm
CHROMIUM (total)	3 . 49 ppm	10 ppm
LEAD	130 ppm*	100 ррт

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Although the lead concentration continues to drop in used crankcase oil,

it still exceeds federal E.P.A. guidelines. Suggest down-blending with oils containing -O- lead.

Independent Sampling and Services:

B/ Tell /Sten

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63

		` Í
RESULTS OF ANALYSIS:	· DAT	E April 30, 1988
SAMPLE SUBMITTED: Ap	ril 18, 1988	
	.:1.204000	
RESULTS REPORTED: Apr	11 30, 1988	
Ford # 111		
PARAMETER	RESULT	SPE
Flash Point	Greater than 200° F	140 F. or Greate
% Chlorine	3816 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppr
CADMIUM	0.895 ppm	2 ppm
CHROMIUM (total)	1.15 ppm	10 ppr
LEAD	6.42 ppm	100 pr
		Į.

COMMENTS:

This oil conforms to the criteria established by the federal E.P.A. for

"used oil".

Independent Sampling and Services:

Ву

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS	RESUL	.TS	0F	ANAL	YSIS.	;
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DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Ill. Recovery, # 107

PARAMETER	RESULT	SPEC.
Flash Point	135 ° F. *	140 F. or Greater
% Chlorine	2632 ppm	4,000 ppm
ARSEN1C	Less than 0.4 ppm	5 ppm
CADMIUM	2.52 ppm *	2 ppm
CHROMIUM (total)	3.84 ppm	10 ppm
LEAD	124.0 ppm *	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil exceeds federal standards in Flash Point, Cadmium, and Lead, and show

be blended with virgin oil to prepare material for customer use.

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESUL	TS	ΩF	ANAL	YSIS	

DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED:

April 30, 1988

Dukes # 108

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200 F. 786 ppm Less than .04 ppm 1.67 ppm 2.67 ppm 148.0 ppm*	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream exceeds lead concentration as determined by federal E.P.A. and should

therefore beblended with non-lead bearing oil to reach conformity.

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESUL	.TS	0F	ANAL	YSIS.	:

DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

R. & S. # 103

PARAMETER	RESULT	SPEC.
Flash Point	150° F.	140 F. or Greater
% Chlorine	2256 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.40 ppm	2 ppm
CHROMIUM (total)	1.84 ppm	10 ppm
LEAD	91.1 ppm	100 ppm
		† •

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

CO	М	м	F	M'	т	ς	٠
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This stream conforms with federal E.P.A. guide lines for "used oil".

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESUL	Tς	ΩF	ΔΝΔΙ	VSI	ς.
KESUL	ıο	UΓ	ANAL	. 1 . 1 .	J.

DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

CBO # 104

PARAMETER	RESULT	SPEC.
Flash Point	170 ° F	140 F. or Greater
% Chlorine	407 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.10 ppm	2 ppm
CHROMIUM (total)	1.22 ppm	10 ppm
LEAD	30.3 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil stream conforms to the federal guidelines for used oil, and can be

blended with other conforming streams.

Independent Sampling and Services:

By Sill

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	DATE_	April 30	1988
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SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

House Stock, # 109

PARAMETER	RESULT	SPEC.
Flash Point	N.E.	140 F. or Greater
% Chlorine	848 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	1.95 ppm	2 ppm
CHROMIUM (total)	3.11 ppm	10 ppm
LEAD	134.0 *	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The lead concentration in the house stock exceeds federal guidelines, and this material should be blended with virgin oil to make up customers product.

Independent Sampling and Services:

By Tell

telu

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO sample #2 ISS 204

RESULT PARAMETER SPEC. Flash Point 140 F. or Greater 180° F % Chlorine 4,000 ppm 1,567 ppm ARSENIC 5 ppm CADMIUM 2 ppm CHROMIUM (total) 10 ppm LEAD 100 ppm ASH 0.87 0.76-0.81

COMMENTS:

This oil sample refelcts "typical" analysis for blended fuel produced from

"used oil" containing "crankcase" oil, along with other recovered oils.

The sample was analysed in accordance with accepted P.P.I., A.S.T.M. and E.P.A. protocols.

Independent Sampling and Services:

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^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF .	ANALYSIS:
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DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO Sample #1, ISS # 203

PARAMETER	RESULT	SPEC.
Flash Point	155 ° F	140 F. or Greater
% Chlorine	1,235 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD ASH	0.67 %	100 ppm SAE: 0.76 to 0.81

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

This sample reflects the accepted properties of "used oil" from a crankcase source, and is not to be construed as "different" than other crankcase blended fuels produced from "used oil" sources.

COMMENTS:	
	3.46

Independent Sampling and Services:



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 6014B • (312) 953-9300

Member of the SGS Group (Societé Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

May 27, 1988

Sample identification

by Custom Blended Oils, Inc.

Kind of sample

ATTN:

reported to us ----

P.O. Box 1041

Peotone, IL 60468

CUSTOM BLENDED OILS, INC.

David F. Wheeland

New Blend 25-35

Sample taken at ---

Sample taken by

Custom Blended Oils, Inc.

Date sampled

.

Date received 5/20/88

Analysis report no. 71-56638

Ash Content 0.89 % By Weight

Flash Point, Pensky-Martens 182°F

Gravity At:

Heating Value:

Sulfur Content 0.72 % By Weight

Viscosity At: 5USAT100-07?

122°F Syabolt Furol 29.6 Seconds

122°F Kinematic 62.7 Centistokes

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Charter Member

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

D	FSIII	Tς	ΛĒ	ΔΜΔ!	YSIS:
К	LOUL	- 13	UF	MINAL	1010.

DATE June 21, 1988

SAMPLE SUBMITTED: may 25, 1988

RESULTS REPORTED: June 21, 1988

Berreth Oil.

RESULT	SPEC.
200 F.	140 F. or Greater
0.20	4,000 ppm
0.001	5 ppm
0.210	2 ppm
10.13 *	10 ppm
44.7	100 ppm
	200 F. 0.20 0.001 0.210 10.13 *

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows an elevated level of chromium, and should be re-checked to

ascertain if this material is intrinsic to crankcase oil.

Suggest down-blending with virgin oil.

Independent Sampling and Services:

Βv

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

June 21, 1988 DATE

SAMPLE SUBMITTED:

May 25, 1988

RESULTS REPORTED: June 21, 1988

Texoma

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.36	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.07	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	2.23	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

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This oil meets the specfications of "used oil" and this material may

be used in blending for industrial purposes.

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Southwest Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.79	2 ppm
CHROMIUM (total)	2.93	10 ppm
LEAD	98.0	100 ррт

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

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This oil meets the required specifications for "used oil".

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF A	ANAL	YSIS:
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DATE June 21, 1988

SAMPLE SUBMITTED:

May 25, 1988

RESULTS REPORTED: June 21, 1988

Daves Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	120 F. *	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.38	2 ppm
CHROMIUM (total)	0.68	10 ppm
LEAD	135.0	100 ppm

Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The flash point is below acceptable limits, and this oil would not qualify as used oil under current definitions of used oil. Suggest monitoring this stream and instructing the supplier that his product does not meet/federal

or state requirements for "used oil". Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS 0	F ANAL	YSIS	:
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DATE August 4, 1988

SAMPLE SUBMITTED: August 20, 1988

RESULTS REPORTED: August 1, 1988

Special Sulfur determination for Frank Brothers

PARAMETER	RESULT	SPEC.
Flash Point	Ì	140 F. or Greater
% Chlorine		4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD Sulfur	Less than 0.2 %	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

All three samples of retained loads shipped to Frank Brothers as fuel

tested at lessthan 0.2 % Sulfur content. This is well below their

0.44 % requirement.

Independent Sampling and Services:

By Mike Petrich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:

DATE September 27, 1988

SAMPLE SUBMITTED: September 15, 1988

RESULTS REPORTED: September 27, 1988

TANK #9

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.17	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.59	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	95.1	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil is within the presecribed parameters for used oil as outlined in

Subpart E. part 266 40 CFR.

Independent Sampling and Services:

By Mike Petricile

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

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DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

House Stock, Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total)	142 F. 0.02 % 0.1 ppm 1.31 ppm 0.004 ppm	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
LEAD	122.0 ppm *	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Lead concentration is just slightly high, but reflects the trend downward of crankcase oil. Suggest blending with other stocks to achieve "used oil"

compliance.

Independent Sampling and Services:

By Tell /Etuin

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Southwest Waste Dil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	174 F.	140 F. or Greater 4,000 ppm
ARSENIC	0.18% 0.30 ppm	5 ppm
CADMIUM CHROMIUM (total)	2.21 ppm * 0.004 ppm	2 ppm 10 ppm
LEÁD	90.8 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil"
DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Slight overage on the Cadmium concentration, otherwise this oil is well ithin the specifications for "used oil".

Independent Sampling and Services:

Ву

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

Ì	RESI	II TS	OF	ANA	LVS	15.
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DATE November 23, 1988

SAMPLE SUBMITTED: Oct. 28, 1988

RESULTS REPORTED: Nov. 23, 1988

R. & S. Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	132 F. * 0.21 % 0.2 ppm 1.48 ppm 0.0D4 ppm 103.0 ppm *	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm

^{*}Exceeds current standard for "Used 0il"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The Flash Point of this sample is somewhat low, however even trace quantities of aliphatic, and/or aromatic hydrocarbons could create this situation.

Lead is also just over the limit proscribed by the F.P.A. specifications.

Independent Sampling and Services:

By Oll/Etrus

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

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November 23, 1988

SAMPLE SUBMITTED:

October 28, 1988

RESULTS REPORTED: November 23, 1988

Jerry Remer, Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.04 %	4,000 ppm
ARSENIC	0.1 ppm	5 ppm
CADMIUM	2.16 ppm *	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	80 . 9 ppm	100 ppm

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows just a slight increase in the Cadmium concentration. The other parameters reflect a "used oil" characteristic.

Independent Sampling and Services:



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.D. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 331-2900 TELEX: 285950 COMTECO SH UR FAX: (312) 333-3060

New Blend 200-400

December 21, 1988

Sample I.D.:

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

ATTN:

Sample taken at ----

P.O. Box 1041

Peotone, IL 60468

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS, INC.

Ron Winkle

Date sampled ----

Date received 12/16/88

Analysis report no. 71-67802

 Gravity At:
 Specific at 60/60°F
 0.9659

 Lb per gal. at 60°F
 8.044

 °API
 15.0

 Heating Value:
 18,191

 Btu/lb
 146,328

 Sulfur Content
 1.98 % By Weight

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Bail W. G

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDE 16130 VAN DRUNEN RD., P.O. SOUTH HOLLAND, TELEPHONE: (312) TELEX: 285950 COMTECO

TELEX: 285950 COMTEC(FAX: (312) 1

December 23, 1988

Sample identification

by Custom Blended Oils, Inc.

Kind of sample

Peotone, IL 60468

P.O. Box 1041

CUSTOM BLENDED OILS, INC.

Larry Winkle

Sample I.D.:

New Blend 100-500

reported to us Oil

ATTN:

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 12/22/88

Analysis report no. 71-68053

Gravity At:

Specific at 60/60°F 0.9646
Lb per gal. at 60°F 8.033

*APT 15.2

Heating value:

Sulfur content 1.74 % By Weight

Respectfully submitted, **©QMMERCIAL TESTING & ENGINEERING CO.**

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

F-464

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

: Tank 10	DATE 1/4/198 9	
12/6/1988		
12/30/1988		
		_
RESULT		SPECIFICATION
196° F 1.9D Less than 0.03 1.55 Less than 0.004 86.4 andards for "Used Oil" PARTS PER MILLION UNLESS		140 F. or Great 4,000 ppm 5.0 ppm 2.0 ppm 10.0 ppm 100.0 ppm
		:
	12/6/1988 12/30/1988 RESULT 196° F 1.9D Less than 0.03 1.55 Less than 0.004 86.4 andards for "Used Oil"	12/6/1988 12/30/1988 RESULT 196° F 1.9D Less than 0.03 1.55 Less than 0.004 86.4

Independent Sampling and Services Inc.

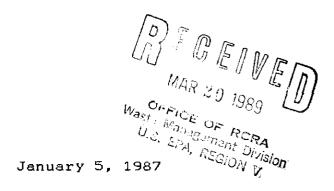
By Flack Postal.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	R&S Waste oil		DATE1/4	1/1989
SAMPLE SUBMITTED:	12/6/1988			
RESULTS REPORTED:	12/30/1988			
SOURCE:				
PARAMETER	F	RESULT	·- <u></u>	SPECIFICATION
Flash Point		154° F		140 F. or Greater
% Chlorine		0.70		4,000 ppm
ARSENIC		0.10	į	5.0 ppm
CADMIUM		2.13 *		2.0 ppm
CHROMIUM (total)	Less than	0.004		10.0 ppm
LEAD		83.4		100.0 ppm
*Exceeds current sta DATA RESULTS ARE IN			RWISE INDI	CATED.
COMMENTS:				
				
Independent Sampling	and Services In	sc. By	Mark	· Jakk

F.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	Illinois Re	covery	DATE	1/4/1989
SAMPLE SUBMITTED: 12	/6/1988			
RESULTS REPORTED:	12/30/1988			
SOURCE:				
PARAMETER		RESULT		SPECIFICATION
Flash Point % Chlorine ARSENIC CALMIUM CHROMIUM (total) LEAD *Exceeds current sta	Less than	93.7	i	140 F. or Greater 4,000 ppm 5.0 ppm 2.0 ppm 10.0 ppm 100.0 ppm
DATA RESULTS ARE IN			OTHERWISE II	NDICATED.
COMMENTS:				
Independent Sampling	and Services	: Inc.	ву ////	k Path



Custom Blended Oils Inc. P.O. Box 41 Peotone Illinois 60468

ATTN: Mr. David Wheeland

Knor Callege Northup Die

RE: Analysis of Blended

Stock, #5 Oil.

Dear Mr. Wheeland,

We are pleased to submit the following analytical information relative to the sample we picked-up of the subject oil.

The analytical work was delayed due to the rush of work prior to the holidays, and we apologize for any inconvenience that this may have caused you.

The parameters and results are listed as follows:

PARAMETER		RESULT	1987
B.T.U. per lb.		18,973	0 118
% Sulfur		0.59%	-1
% Chlorine		0.20%	Thomas
-Flash Point, Pensky N	Martens,	200 F. +	17000 - 40
Bottom Sediment and V	Vater	Less than 13	10 0
Metals:		7	Illa Anthon
Arsenic	.04 ppm	:	Mulleman
Chromium Total	3.55 ppm		
Cadmium	1.78 ppm		1987

298.00 ppm

Ash Viscosity SUS @ 100 F.

Lead

0.78 % 297 sec:

The results from samples 61 through 63 reflecting the properties of the received oils will be forthcoming.

Thank you for your patience in this matter.

Bill Petrich

Independent Sampling & Svc.



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE 16130 VAN DRUNEN RD., P.O. BOX SOUTH HOLLAND, IL 6I TELEPHONE: (312) 264-I TELEX: 285950 COMTECO SII

CUSTOM BLENDED OILS, INC. P.O. Box #41

Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification

by Custom Blended Oils, Inc.

Kind of sample #5 Oil reported to us

#5 Oil 1/5/87

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 1/6/87

Analysis report no. 71-32255

Arsenic To Follow

Ash Content	0.43 % by weight 184°F
Gravity:	
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING C

David W. Cy

Manager; South Holland Laboratory

Charter Me

TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



GENERAL OFFICES: 1919 SDUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLANO, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

January 12, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample #5 Oil reported to us

Sample taken at ----

P.O. Box #41

Peotone, IL

ATTN:

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS, INC.

60468

David F. Wheeland

Date sampled -----

Date received 1/6/87

Analysis report no. 71-32255 Arsenic To Follow

#5 Oil

1/5/87

0.43 % by weight
184°F
0.9279
7.727
21.0
18,300
141,404
0.65 % by weight
476 seconds
102.7 centistokes
154 ppm, as rec'd
1.24 ppm, as rec'd
0.58 ppm, as rec'd
451 ppm, as rec'd

Respectfully submitted,



Original Copy Watermarked For Your Protection

Manager, South Holland Laboratory



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LDMBARD, ILLINOIS 6014B • (312) 953-9300

'NCE 1908

Member of the SGS Group (Societé Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, H. 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

January 12, 1987

Sample identification by Custom Blended Oils, Inc.

January 12, 1967

#6 Oil

1/5/87

Kind of sample #6 Oil

P.O. Box #41

Peotone, IL

reported to us

ATTN:

6 O11

60468

David F. Wheeland

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS, INC.

Date sampled ----

Date received 1/6/87

Analysis report no. 71-32256

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.



Original Copy Watermarked For Your Protection

Manager, South Holland Laboratory

SAMPLE SOURCE: #5 OIL / CUSTOM BLENDED OILS INC.

SAMPLE SUBMITTED: JANUARY 6, 1987

RESULTS SUBMITTED: JANUARY 15, 1987

PARAMETER:

RESULT:

SPEC:

140 F.

Flash Point

% Chlorides Arsenic

Cadmium

Chromium (total)

Lead

: 200 F.

: 0.05% : NOT RUN

: 1.12 PPM

: 0.284 PPM

32.60 PPM

4,000 ppm 5 ppm

2 ppm

1111112

10 ppm 100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: 455 SECS.

SULFUR CONTENT: 0.76%

@ 60 f.

AS' CONTENT: 0.75%
A. I. GRAVITY: (21.1)
(.U. PER LB.: (18,203)

b.s. & W : NOT RUN

Independent Sampling and Services;

EY: BILL PETRÍCH

TESTS-FRYM-4-2 BLEND HOVGE-NITH-#6 FRYM-DUNN OUT-OF-ALLIED.

#5-OIL BLEND, LAB, RESULTS 1/13/86 4-2-mix. PETRICH COMM. TESTING - 21.1 21 505-1000 476 -455 - 200°F 1840 0.43 - 0.75 0.65 -0.76 18,300 - 141,404 -140,564 AL 18,203 C M 1.24 P8M 1.12 2M -0.28 0.58 12 451 11111

32.6

154 " "



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LDMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPO 16130 VAN DRUNEN RD., f SOUTH HOLLA TELEPHONE: (1 TELEX: 285950 COM

CUSTOM BLENDED OILS, INC. P.O. Box #41 Peotone, IL 60468

January 27, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, I:

Kind of sample #5 Oil reported to us

#5 Oil 1/5/87

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 1/6/87

Analysis report no. 71-32255

Complete Results

Arsenic, As 0.04 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Aspager South Holland Laboratory

Original Copy Watermarked For Your Protection

Manager, South Holland Laboratory



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CDRRESPONDENCE TD: 16130 VAN DRUNEN RD., P.D. BDX 127 SDUTH HOLLAND, IL 60473 TELEPHDNE: (312) 264-1173 TELEX: 285950 CDMTECO SH UR

January 27, 1987

Sample identification

by Custom Blended Oils, Inc.

Kind of sample #5 Oil

CUSTOM BLENDED OILS, INC.

reported to us

ATTN:

#5 Oil 1/5/87

Sample taken at ----

P.O. Box #41

Peotone, IL

Sample taken by Custom Blended Oils, Inc.

60468

David F. Wheeland

Date sampled ----

Date received 1/6/87

Analysis report no. 71-32255 Complete Results

Arsenic, As 0.04 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Charter Member



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

3312900

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HDLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

March 24, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample

ATTN:

reported to us Oil

P.O. Box #41

Peotone, IL

821-4747

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS. INC.

60468

David F. Wheeland

Date sampled ----

Date received 3/3/87

Analysis report no. 71-34960

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

. Charter Member



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

NCE 1908

Member of the SGS Group (Societe Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

March 24, 1987

Sample identification by Custom Blended Oils, Inc.

CUSTOM BLENDED OILS. INC. P.O. Box #41 Peotone, IL 60468

ATTN: David F. Wheeland

Kind of sample reported to us Oil

821-4747

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 3/3/87

Analysis report no. 71-34960

Respectfully submitted, CQMMERCIAL TESTING & ENGINEERING CO.

David W.

Manager, South Holland Laboratory



Charter Member

SAMPLE SOURCE: E&L Tank Cleaners

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: (0.05	4,000 ppm
Arsenic	: (O.QO1	mqq 2
Cadmium	: 1.07	2 ppm
Chromium (total)	: 0,250	10 ppm
Lead	: 300,0 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY:
D. DER LB.:
BIS. & W:
Y

Independent Sampling and Services;

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 2/2/07

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC
Flash Point	:)200 F	140 F.
% Chlorides	: (0.05	4,000 ppm
Arsenic	: <0.001	
Cadmium	: 0.68	a ppm
Chromium (total)	: <0.010	10 ppm
Lead	: 535 *	100 ppm

*Exceeds current standard for "Used Dil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
(.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

MPLE SOURCE: EW. lank Changes

IPLE SUBMITTED: 2/2/37

BULTS SUBMITTED: 2/5/67

AAME LER;	RESILT	SPEC
ash Point Chlorides senic dmium romium (total) ad	: >200 F : <0.05 : <0.001 : 1.07 : 0.250 : 300.0 *	140 F. A,000 ppm 5 ppm 2 ppm 10 ppm
		100 ppm

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS @ 100 f:
_FUR CONTENT:
+ CONTENT:

3.1. GRAVITY: @ 60 f.
.U. PER LB.:
5. & W : %

tependent Sampling and Services;

BY: Daniel Petrich

RECEIVED

MPLE SOURCE: H&S Waste Oil

MPLE SUBMITTED: 2/9/67

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT:	mpeo;
ash Point	;)800 F	140 F.
Chlorides	; (0.05	4,000 ppm
senic	; (0.001	5 ppm
dmium	; 0.68	2 ppm
romium (total)	; (0.010	10 ppm
ad	; 335 x	100 ppm

xceeds current standard for "Used Dil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCUSITY SUS @ 100 f: *LFUR CONTENT: H CONTENT:

.u. per Lb.; B so f.

5. & W : %

dependent Sampling and Services:

BY: Daniel Petrich

RECEIVED APR 2019

IEPA-DIS

(MPLE COURCE: III Recovery Co.

MARLE SUBMITTED: 2/2/8/

SULTS SUBMITTED: 2/5/37

RAMETER;	RESULT;	SPEC;
Chlorides : senic : dmium : romium (total) :	>200 F (0.05 0.211 0.55 (0.01 272 *	140 F. 4,000 ppm 5 ppm 2 pym 10 ppm 100 pom

xceeds current standard for "Gaed Oil":

TA REBULIS ARE IN PARTS PER MILLION UMLESS OTHERWISE INDICATED:

BCDSITY SUS @ 100 f: LFUR CONTENT: _ + CONTENT: P. I. GRAVITY: ₽ 60 f. .U. PER LE.:

3. & W :

dependent Sampling and Services;

BY: Daniel Patrich

 $P(\Omega(f_{X})^{-1})$

Communication, adding the con-

MPLE SUBBLICATOR PARTOR

TSULTH SUBMITTIO: 3/5/6"

RAMETER:	RESILT:	SAMELLE
ash Point Chlorides senio dmium romium (total)	: 129 F % : : : : : : : : : : : : : : : : : :	140 F. 4,000 ppm S ppm E ppm 10 ppm 100 ppm

xceeds current standard for "Used Oll":

TA RESULTS ARE IN PARTS PER MILLION UNLINES DIPERMISS INDICHIED:

SCOBITY SUS # 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY:
P.U. PER LB.:
S. & W :

dependent Sampling and Services;

Sv: Danimi Patrich

APR 20 1987

SAMPLE SOURCE: Atlas Oil Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 129 F *	140 F.
% Chlorides	: (0.05	4,000 ppm
Arsenic	: (0,001	5 ррм
Cadmium	; 1 . 91	mqq S
Chromium (total)	: 0.609	10 ppm
Lead	4 4 1 7	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: SULFUR CONTENT: ASH CONTENT:

A.P.I. GRAVITY: @ 60 f.

(.U. PER LB.:

B.S. & W: %

Independent Sampling and Services;

SAMPLE SOURCE: III Recovery Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/07

ppm
ומכןכ
mqc
mqc
mqc
))

*Exceeds current standard for "Used Dil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUG @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
P.I. GRAVITY:
C.U. PER LB.:
B.S. & W:
%

Independent Sampling and Services;

OFFICE ARGO

CUSTOMER REF. NO.:

DATE:

April 3,

Sample designated as:

DESCRIPTION

dentifying Marks: Submitted Sample

Submitted by:

Custom Blended Dils

Client Custom Blended Oils,

NOTES

- with any form of advertising shall not be used in connection published or used except in full. It from an officer of E. W. Saybolt & unless written consent is received This laboratory report may not be
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained writing. for a period of 45 days unless a longer period is requested in
- Sample nomenclature is designated by the customer.

ORATORY ANALYSIS REPORT

\F00E	312-582-4714
	RGO, ILLINOIS 60501
	P. O. BOX 129
LABO	W. SAYBULL & CU. INC.

RATORY NO .: _ EL/TANK(S):

987		312-582-4714	60, ILLINOIS 60501
· INVOICE NO.:	LABORATORY	VESSEL/TANH	,

(ID)

7964

ANALYSIS

Gross BTU'S/gallon ASTM D-240

MEMBERS ASTM

recent

7964 LABORATORY NO .: 3138 143,952 E. W. SAYBOLT & CO., INC. VESSEL/TANK(S): INVOICE NO .: MEMBERS ASTMANDE JEAE ANALYSIS ARGO, ILLINOIS 60501 Gross BTU'S/gallon ASTM D-240 312-582-4714 יבו אטט ט א 1987 CUSTOMER REF. NO.: April DATE S.W. SAYBOLT & CO., INC. This laboratory report may not be shall not be used in connection Results were based on analysis published or used except in full. It with any form of advertising unless written consent is received made at the time samples were from an officer of E. W. Saybolt & Samples, if any, shall be retained longer period is requested in for a period of 45 days unless a Sample nomenclature is designa-님 Custom Blended Oils. received at the laboratory.

Custom Blended Oils

Client:

Submitted by:

NOTES

Co., Inc.

ARGO

JFFICE

DESCRIPTION

dentifying Marks: Submitted Sample

Sample designated as:

ORM NO. LAB-206 (7/84)-2

ted by the customer.

writing.

ō

Page 1

E.W. SAYBOLT & CO., INC.

OFFICE.

ARGO

DESCRIPTION

Sample designated as: Decanted Oil

Identifying Marks: S/T 5-17 @ GATX-Bedford Park, IL on 4/3/87

Inc. Co., ک Submitted by: E.W. Saybolt

Client:

Ameropan_Oil/Custom

Blended Oils

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ARGO, ILLINOIS 60501 312.582.4714

CUSTOMER REF. NO.: DATE

3, 1987 April

S/T 5-17 VESSEL/TANK(S):

こうしょう ひきしんかく こうしんこうしゅう

7963 (ID) LABORATORY NO.: NVOICE NO .:

ANALYSIS

3.89%

Gravity API @ 60°F ASTM D-287

Sulphur % Wt. ASTM D-1552 Flash PM ASTM D-93

Vis. SFS @ 122°F ASTM

S & W % ASTM D-1796

Pour Point ASTM D-97

Gross BTU'S/gallon

195°F 0.1%

40.2 sec. 40°F

160,498

MEMBERS ASTM ANI - SAE

E. W. SAYBOLT & CO., INC.

ORM NO. LAB-200 (7/84)-2

Dane



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-930

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL 16130 VAN DE

S(TE TELEX: ;

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

April 10, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended C

Kind of sample reported to us Oil

Oil Sample 5-14

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/9/87

Analysis report no. 71-36952

Gravity: Specific at 60/60°F 0.9692 8.071 Lb per gal. at 60°F 14.5 Heating value: 17,858 Btu/lb. Btu/gal. at 60°F 144,136 1.64 % by weight Sulfur Content 2.57 % by volume Water by distillation Total Halogens 621.8 ppm, as rec'd

Repectfully submitted, Commercial Testing & Engineering Co.

Original Copy Watermarked For Your Protection

Manager, South Holland Laboratory

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

FARAMETER;	RESULT;	SPEC;
Flash Point % Chlorides Arsenic Cadmium Chromium (total) Lead	: 120 F : (0.1 : (0.1 : 2.68* : (0.01 : 508*	140 F. 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
		T 270.74 (1) [0.81]

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
P.I. GRAVITY:
T.U. PER LB.:
B.S. & W:

Independent Sampling and Services;

SAMPLE SOURCE: Atlas

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

pm
DШ
рm
pin
pra

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:

SULFUR CONTENT:

ASH CONTENT:

∕°P.I. GRAVITY:

@ 60 f.

T.U. PER LB.:

B.S. & W :

Independent Sampling and Services;

SOMPLE SCURCE: EXL Tank Cleanons

SAMPLE SUBMITTED: 3/23/27

RESULTS SUBMITTED: 4/13/87

PARAMETER;	REBULT;	SEEC
Flash Point	: >200 F	140 F.
% Chiqrides	2 () ₆ 1 55	4,000 ppm
Arsonic	* <0.1	5 ppm
Cadmium	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mag S
Chromium (total)	a (O.O.	maga Oi
Lead	166*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: SULFUR CONTENT:

ASH CONTENT:

P P. I. GRAVITY:

@ 60 f.

T.U. PER LB.:

B.S. & W :

%

Independent Sampling and Services;

SAMPLE SOURCE: ILL Rec.

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

Arsenic : (0.1 5 ppm Cadmium : 3.24* 2 ppm Chromium (total) : (0.01 10 ppm	拉拉拉拉拉斯 (中国)	MESULI#	arteu ;
Arsenic : (0.1 5 ppm Cadmium : 3.24* 2 ppm Chromium (total) : (0.01 10 ppm	Flash Point	: 155 F	140 F.
Cadmium : 3.24* 2 ppm Chromium (total) : (0.01 10 ppm	% Chlorides	# O.27	4,000 ppm
Chromium (total) : (0.01 10 ppm	Ansenio	a (O.1	mqq 2
	Cadmium	: 3,24×	2 ppm
Lead : 483* 100 ppm	Chromium (total)	: (O _n O 1	10 ppm
	Lead	# 483×	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:

SULFUR CONTENT:

ASH CONTENT:

P.I. GRAVITY: T.U. PER LB.:

0 60 f.

B.S. & W:

%

Independent Sampling and Services;

Daniel Petrich



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ¡LLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Societé Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE 16130 VAN DRUNEN RD., P.O. BOX SOUTH HOLLAND, IL 60 TELEPHDNE: (312) 264-41 TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC. P.O. Box 1041
Peotone, IL 60468

April 16, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Code House

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/16/87

Analysis report no. 71-37207

Gravity:
Specific

Heating value:

Sulfur Content 0.55 % by weight

Water by distillation 4.40 % by volume

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Charter Mer



GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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PLEASE ADDRESS ALL CO! 16130 VAN DRUNG SOUTI TELEFI TELEX: 2859

CUSTOM BLENDED OILS, INC. P.O. Box 1041

April 16, 1987

Peotone, IL 60468

David F. Wheeland ATTN:

Sample identification by Custom Blended Oils

Kind of sample reported to us Oil

Code House

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled

Date received 4/16/87

Analysis report no. 71-37207

Gravity: Specific at 30/60°F 0.8984 Lb per gal. at 60°F 7.481 26.0 Heating value: Btu/lb. 18,190 Btu/gal. at 60°F 136,079 0.55 % by weight Sulfur Content 4.40 % by volume Water by distillation

> Respectfully submitted, MMERCIAL TESTING & ENGINEERING CO.

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Manager, South Holland Laboratory



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PLEASE ADDRESS ALL CORRESPONDENCE!
16130 VAN DRUNEN RD., P.O. BOX:
SOUTH HOLLAND, IL 60
TELEPHONE: (312) 264-1
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

April 16, 1987

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Code 2-4 5-14

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/14/87

Analysis report no. 71-36093

Gravity: Specific at 60/60°F 0.8805 Lb per gal. at 60°F 7.332 29.2 -Heating value: Btu/lb. 18,996 Btu/gal. at 60°F 139,281 Viscosity At: 100°F Saybolt Universal 88.3 seconds 100°F Kinematic 17.7 centistokes Total Halogens 542.1 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

bania W. Cy

Manager, South Holland Laboratory

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Charler Me



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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO: 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 TELEPHONE: (312) 264-1173 TELEX: 285950 COMTECO SH UR

April 16, 1987

Code 1-S

5-14

Sample identification by Custom Blended Oils, Inc.

P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

Kind of sample reported to us Oil

Sample taken at ----

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 4/14/87

Analysis report no. 71-36092

Gravity: Specific at 60/60°F 0.8871 Lb per gal. at 60°F 7.387 28.0 Heating value: 18,798 Btu/gal. at 60°F 138,859 Viscosity At: 100°F Saybolt Universal 250.0 seconds 100°F Kinematic 53.9 centistokes Lead, Pb 208.6 ppm, as rec'd Total Halogens 740.6 ppm, as rec'd

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Charter Member

Original Copy Watermarked For Your Protection

Manager, South Holland Laboratory

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GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-8, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Societe Geherale de Surveillance)

16130 VAN DRUNEN RD., P.O. BOX 127 PLEASE ADDRESS ALL CORRESPONDENCE TO:

TELEX: 285950 COMTECO SH UR TELEPHONE: (312) 264-1173 \$OUTH HOLLAND, IL 60473

7861 ,12 Y1ut

Sample - #4 - Hopedale

Sample identification

by Custom Blended Oils, Inc.

beofone, il 60468 P.O. Box 1041 COSTOM BLENDED OILS, INC.

David F. Wheeland

reported to us

Kind of sample

Sample taken by Custom Blended Oils, Inc. Sample taken at ----

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40949

Heating value: 5.92 LST'L Lb per gal. at 60°F Specific at 60/60°F 9568.0 Gravity:

145,159 Btu/gal. at 60°F d1/uda 790'6T

Charlet Member

COMMERCIAL TESTING & ENGINEERING CO. Respectfully submitted,

Manager, South Holland Laboratory

TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,

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2rk\qz

GENEBAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 6014B • (312) 953-9300



16130 VAN DRUNEN RD. PLEASE ADDRESS ALL CORRESPO Membet of the SGS Group (Societe' Genefale de Surveillance)

7861 '87 XJnr

by Custom Blended Oils, I Sample identification

Peotone, IL 60468 P.O. BOX 1041 COSTOM BLENDED OILS, INC.

David F. Wheeland

Sample taken at _____ reported to us

Kind of sample

Sample taken by Custom Blended Oils, Inc.

Date sampled

Date received 7/20/87

Revised Report

Sample - #4 - Hopedale

TELEX: 285950 CON TELEPHONE: SOUTH HOLL

Analysis report no. 71-40949

1.34 % by weight Sulfur Content 145,159 Btu/gal. at 60°F ₹90'6T Btu/lb. Heating value: 5 * 97 LST.L Lb per gal, at 60°F 9968.0 Specific at 60/60°F Gravity:

OMMERCIAL TESTING & ENGINEERING CO. Respectfully submitted,

Manager, South Holland Laboratory

Driginal Capy Watermarked For Your Protection

2rk/ga

TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES DVER 40 BRANCH LABDRATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,

GENERAL DEFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 963-9300

Member of the SGS Group (Societé Générale de Surveillance)

TELEX: 285950 COMTECO SH UR TELEPHONE: (312) 264-1173 16130 VAN DRUNEN RD., P.O. BOX 127 SOUTH HOLLAND, IL 60473 PLEASE ADDRESS ALL CORRESPONDENCE TO:

by Custom Blended Oils, Inc.

7861 , TS YIUU

Sample identification

Peotone, IL 60468 P.O. BOX 1041 COSTOM BLENDED OILS, INC.

David F. Wheeland

Sample taken at _____ reported to us

Kind of sample

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 7/20/87

Analysis report no. 71-40948

Total Halogens шdd 8.818,1 <.2 ppm, as rec'd Arsenic, As Сркоміит, Ск L7.9 ppm, as rec'd 0.7 ppm, as rec'd БЭ , шиілабь Э Lead, Pb St.4 ppm, as rec'd 1.12 % by weight Sulfur Content 680'T#T Btu/gal. at 60°F Btu/lb. 121'8T Heating value: Lb. per gal. at 60°F 7.534 L 106°0 Specific at 60/60°F Gravity: Flash Point, Pensky-Martens Ash Content 1.73 % by weight

TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



Charler Member

OMMERCIAL TESTING & ENGINEERING CO.

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, Manager, South Holland Laboratory

Respectfully submitted,

Original Copy Watermarked For Your Protection

DMC\gz

TENCO LABORATORIES DIVN. OF THX, INC. 1150 Junction Avenue - Schererville, Indiana 46375 1-219-322-2560 • 1-800-428-3311

(

REPORT TO:

Independent Sampling 1551 West 187th St. Homewood, IL 60430 Bill Petrich



19 - 11487/29/87 8/2/87 Date: Recd: **;** 93

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abonate	[Uncless otherwise noted; nesults in parts per million - ppm] P A R A M E T E R S:	% Sulfur															
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P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS:	E & L	DATE	9/4/87
SAMPLE SUBMITTED: 8/7	1/87		
RESULTS REPORTED: 8/	<u>/25/87</u>		
PARAMETER	RESULT		SPE
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current stand	170 F 1.87 * 0.4 2.22 * 4.77 206 *		140 F. or Greate 4,000 ppm 5 ppm 2 ppm 10 ppm 100 pp
DATA RESULTS IN PARTS COMMENTS:	PER MILLION UNLESS OTHE	R WISE IND	ICATED.
			

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	R & S	DATE	9/4/87
SAMPLE SUBMITTED: 8/7	/B7		
RESULTS REPORTED:E	/25/87		
PARAMETER	RI	ESULT	SPEC.
Flash Point % Chlorine ARSENIC	180 F 0.05 0.4		140 F. or Greater 4,000 ppm 5 ppm
CADMIUM CHROMIUM (total)	1.37 21.7 *		2 ppm 10 ppm
LEAD	68.2		100 ppm
*Exceeds current standard RESULTS IN PARTS I			ICATED.
COMMENTS:		·	
	•		

Independent Sampling and Services:

By Daniel fetals

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: EBO Ader	DATE 9/4/87
SAMPLE SUBMITTED: 8/7/877	
RESULTS REPORTED: B/25/87	

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.29	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	0.201	2 ppm
CHROMIUM (total)	1.80	10 ppm
LEAD	17.4	100 ppm
	<u> </u>	

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:	
Independent Sampling and Services:	By ()

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

SAMPLE SUBMITTED: 8/7	/87	
RESULTS REPORTED:	8/25/87	
PARAMETER	RESULT	 SPEC
Flash Point % Chlorine ARSENIC CADMIUM	200 F 0.05 0.4 1.37	140 F. or Greater 4,000 ppm 5 ppm 2 ppm
CHROMIUM (total) LEAD	1.10 104 *	10 ppm 100 ppm

Independent Sampling and Services:

COMMENTS:

By Danin Jetinh

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:	Atlas	DATE	9/4/87
SAMPLE SUBMITTED:	B/7/87		
RESULTS REPORTED:	3/25/87	·	
PARAMETER	RESULT		SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200 F 0.05 0.4 1.84 0.962 145 *		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
*Exceeds current stan DATA RESULTS IN PARTS	dard for "Used Oil" PER MILLION UNLESS OTHER	WISE IN	DICATED.
COMMENTS:	· · · · · · · · · · · · · · · · · · ·		
	•		

Independent Sampling and Services:

By Jamil Jefert



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES; 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Memoer of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESP 16130 VAN DRUNEN RD. J SOUTH HOLL TELEPHONE: TELEX: 285960 CON

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils,

Kind of sample reported to us

House Stock #1

Sample taken at

Sample taken by Custom Blended Oils, Inc.

Date sampled ----

Date received 9/2/87

Analysis report no. 71-43306

Sulfur Content 0.45 % By Weight

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

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COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-8, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRES 16130 VAN DRUNEN RD SOUTH HO! TELEPHON! TELEX: 285950 CC

September 8, 1987

Sample identification by Custom Blended Oils,

House Stock #2

Kind of sample reported to us ---
Sample taken at ---
Sample taken by Custom Blended Oils, Inc.

Date sampled ---
Date received 9/2/87

CUSTOM BLENDED OILS, INC.

P.O. Box 1041

Peotone, IL 60468

Analysis report no. 71-43307

Sulfur Content 0.56 % By Weight

Respectfully submitted,
MMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

F-464 DWC/ds

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R	&S Waste oil •	DATE 11/16/87
SAMPLE SUBMITTED: 11/	1/87	
RESULTS REPORTED: 11/	16/87	
PARAMETER	RESULT	SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	145 F. 0.09 Less than 0.03 0.538 Less than 0.01 24.1	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
*Exceeds current stand DATA RESULTS IN PARTS		ER WISE INDICATED.
COMMENTS:		

Independent Sampling and Services:

By Daniel fetil

RESULTS OF ANALYSIS: Atlas		DATE 11/16/87
SAMPLE SUBMITTED: 11	/1/B7	
RESULTS REPORTED: 11,	/16/87	
	. DECILIT	CDEC
PARAMETER	RESULT	SPEC.
Lash <u>Point</u> > % Chlorine	*110 F.	140 F. or Greater
6 Chlorine	0.18	4,000 ppm
RSENIC	Less than 0.03	5 ppm
CADMIUM	0.865	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
-EAD - Bラ U	84.0	100 ppm
Exceeds current stand DATA RESULTS IN PARTS	ard for "Used Oil" PER MILLION UNLESS OTHE	R WISE INDICATED.
COMMENTS:		
Independent Sampling a	nd Secvices: B	v De I let al

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: C	BD Ford 1D/30	DATE 11/16/87
SAMPLE SUBMITTED: 11/1	/87	
RESULTS REPORTED: 11/1	6/87	
PARAMETER	RESULT	SPEC.
Flash Point % Chlorine	170 F. 0.26	140 F. or Greater 4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.374	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	134	100 ppm
*Exceeds current stand	ard for "Used Oil" PER MILLION UNLESS OTHER	R WISE INDICATED.
COMMENTS:		

Independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

	·	,
RESULTS OF ANALYSIS:	CBO Greenfield	DATE <u>11/16/87</u>
SAMPLE SUBMITTED:1	1/1/87	
RESULTS REPORTED: 11	/16/87	
		•
PARAMETER	RESULT	SPEC.
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	0.76	5 ppm
CADMIUM	0.57	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	27.6	100 ppm
*Exceeds current star		HER WISE INDICATED.
COMMENTS:		
<u>,</u>		
		· · · · · · · · · · · · · · · · · · ·

Independent Sampling and Services:

By Daniel folk

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

			, ,
RESULTS OF ANALYSIS:	CBO FORD,10/27	DATE	11/16/87
SAMPLE SUBMITTED: 1	0/27/87		
RESULTS REPORTED: 11	/16/87		
PARAMETER	RESULT		SPEC
Flash Point % Chlorine	Greater than 200 F		140 F. or Greater 4,000 ppm
ARSENIC	Less than .03		5 ppm
CADMIUM CHROMIUM (total)	0.295		2 ppm 10 ppm
LEAD	25.1		100 ppm
* Exceeds current stan	dard for "Used Oil"		
	PER MILLION UNLESS OTHER	R WISE IND	ICATED.
COMMENTS:		·	
			

Independent Sampling and Services:

By Daniel fetrel



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 6014B • (312) 953-9300

Member of the SGS Group (Sociele Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO 16130 VAN DRUNEN RD., P.O. BOX 12 SOUTH HOLLAND, IL 6047 TELEPHONE: (312) 264-117 TELEX: 285950 COMTECO SH U

CUSTOM BLENDED OILS, INC. P.O. Box 1041 Peotone, IL 60468

December 10, 1987

Ron Winkle ATTN:

Sample identification by Custom Blended Oils, Inc.

Kind of sample

reported to us #6 Oil

Code #2,000 AX 4,000 H

Sample taken at

Sample taken by Custom Blended Oils, Inc.

Date sampled

Date received 12/10/87

> Analysis report no. 71-48113

Gravity: Specific at 60/60°F 0.9346 Lb per gal. at 60°F 7.783 19.9 °API ... Heating Value: 18,402 Btu/lb. 143,223 Btu/gal. at 60°F 1.03 % By Weight

Sulfur Content

Respectfully submitted, COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Ho

Charter Member

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COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Sociéte Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPON 16130 VAN DRUNEN RD., PJ SOUTH HOLLAN TELEPHONE: (31 TELEX: 285950 COMTE

CUSTOM BLENDED OILS, INC. P.O. Box 1041

Peotone, IL 60468

ATTN: Ron Winkle December 10, 1987

Sample identification

^{by} Custom Blended Oils, In

Kind of sample

reported to us #6 Oil Code #1,000 AX 5,000 H

Sample taken at

Sample taken by Custom Blended Oils, Inc.

Gravity:

Date sampled

Date received 12/10/87

> Analysis report no. 71-48112

Specific at 60/60°F 0.9106 7.582 Lb per gal. at 60°F Heating Value: 18,585 Btu/1b. 140,910 Btu/gal. at 60°F

0.75 % By Weight Sulfur Content

> Respectfully submitted, OMMERCIAL TESTING & ENGINEERING CO.

Original Copy Watermarked For Your Protection

#21



depending how for North fun

CHICAGO LINE 312 / 821-4747 PEOTONE LINE 312 / 258-6881 P. O. BOX #41

PEOTONE, IL 60468

Quality Blended Fuel Oils

INFORMATION SHEET

MEDIUM BURNER FUEL TYPICAL SPECIFICATIONS

COMPOSITION

GRAVITY (API)

FLASH

VISCOSITY (SUS 1000)

SULPHUR %

ASH

B.T.U. (PER GAL)

B.S.&.W.

ARSENIC

CADMIUM

CHROMIUM

LEAD

HALOGENS

25 - 28

 $175 - 200^{\circ}F$

175 - 225

0.35 - 0.55

0.50 - 0.55

144,000 - 146,000

1% - 2%

LESS THAN 5 PPM

LESS THAN 2 PPM

LESS THAN 10 PPM

LESS THAN 100 PPM

LESS THAN 1000 PPM

This product contains recycled oil, and it follows the guidelines and requirements for the material, as contained in the Federal EPA register Volume 50 section 230 dated November 29, 1985.



Environmental, Industrial & Food Analysis since 1900

Payne & Dolan, Inc. P.D. Box 781 Waukesha, WI 53187 December 1, 1987 Project #9547

Attn: Glenn Elliott

Oil Analysis

Dryer Fuel 11-13-87 Control #12	
Flash Point, P-M, OF	120
Arsenic, ppm Cadmium, ppm Chromium, ppm Lead, ppm	0.7 1.1 15.2 353
Total Halogens as Cl, ppm	1270
PCB!s	N.D. (1.o.d. 10 ppm)

Gary G. Geipel Senior Analyst Pb To

SAMPLE SUBMITTED:	11/2/86	
RESULTS REPORTED:	11/15/86	
PARAMETER	RESULT	SPEC
Flash Point % Chlorine	165°	140 F. or Greater
RSENIC	.05	4,000 ppm 5 ppm
CADMIUM	.04	2 ppm
CHROMIUM (total)	2.86	10 ppm
LEAD	120	100 ppm
		<u></u>
DATA RESULTS IN PART	ndard for "Used Oil" S PER MILLION UNLESS OTHER	WISE INDICATED.
		WISE INDICATED.
DATA RESULTS IN PART		WISE INDICATED.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS:	R & S	DATE	11/17/86
SAMPLE SUBMITTED: 11	/2/B6		!
RESULTS REPORTED:1	1/15/86		
PARAMETER	RESULT		SPEO
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	200° .05 .04 1.47 2.14 148		140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
*Exceeds current stand DATA RESULTS IN PARTS	dard for "Used Oil" PER MILLION UNLESS OTHE	R WISE INC	DICATED.
COMMENTS:			
	· · · · · · · · · · · · · · · · · · ·		

By Mike Petrich

Independent Sampling and Services:

RESULTS OF ANALYSIS: At	clas waste oil	DATE <u>11/17/86</u>
SAMPLE SUBMITTED: 11/	/2/86	
RESULTS REPORTED:11	¹ 15/86	-
PARAMETER	RESU	LT SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD	175° 0.4 .04 B.23 4.21 441	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm
*Exceeds current standard DATA RESULTS IN PARTS I		OTHER WISE INDICATED.
COMMENTS:		
Independent Sampling ar	nd Services:	By Mike Petrich

RESULTS DF ANALYSIS: 1	llinois Recovery	DATE1	/17/86
SAMPLE SUBMITTED: 11/2	/86		
RESULTS REPORTED: 11/1	5/86		
PARAMETER	RESULT		SPEC.
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current stand DATA RESULTS IN PARTS	200° .05 .04 1.93 3.16 238 ard for "Used Oil" PER MILLION UNLESS OTHE	R WISE INDI	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:			

March 17, 1989

RECEIVED MAR 20 1989

Ms Sue Rodenbeck US E.P.A., RCRA Enforcement Branch (5HR-12) 230 South Dearborn Street Chicago Illinois 60604

OFFICE OF RCRA
Waste Management Division
U.S. EPA, REGION V

RE: Custom Blended Oils Inc.

Ms Rodenbeck,

At the direction of Mr. Ernest Winkle, President of Custom Blended Oils Inc., our client, we are submitting today copies of analysis performed on "used oils" processed by Custom Blended Oils. The analyses were performed by Tenco Laboratories, of Schererville Indiana, a certified laboratory under protocols established by the E.P.A. and found in SW-846 OSW.

The analyses cover the period from July of 1986 to and through December of 1988. There have been no analyses performed in 1989, because of the lack of business activity this year.

Should any technical questions occur, we would be pleased to cooperate with you in answering them. If you have questions of policy, and/or procedure relative to Custom Blended Oils Inc. we would appreciate it if you would contact Mr. Winkle directly.

The additional information you requested, sic. analysis of tank-bottoms, mixed with lime and sent to Land and Lakes landfill, may be obtained by contacting Mr. Ron Winkle of Custom Blended Oils Inc. The other point, that of "used carburetor cleaner" can best be answered by Mr. Ernie Winkle of Custom Blended Oils Inc.

CC: Mr. John L. Parker
Attorney
Mr. Ernest Winkle
File

Respectfully,

Bill Petrich

environmental services...

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF OIL ANALYSIS: E. & L. Tank Cleaners

Sample Submitted: 7/16/86 Results Reported: 7/23/86

PARAMETER	ILL. REC.	ATLAS	SWO I	LL. REC.	R. & S .	HOUSE
Chlorine %		0.05	0.05	0.05	0.05	0.05
Flashpoint, P.M.		200 F.	160 F.	150 F.	140 F.	183 F.
ARSENIC		0.33	0.16	0.51	0.35	0.07 ppm
CADMIUM		1.19	1.59	1.96	1.00	1.34 ppm
CHROMIUM		2.31	1.58	1.79	1.79	1.26 ppm
LEAD	77.80	302*	307*	335*	175*	183*

It is our recommendation that the oils that show excessive lead concentration, be down-blended with other oils containing lower levels to achieve compliance with current regulations for "Used OII".

Thank you for this business.

Respectfully,

Mike Petrich
1.5.5.

Mecantum
1986

Exceeds current standard for "Used Oil".

SAMPLE SOURCE: South West Oil

Sample NO. 62

SHMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER:	RESULT;	SPEC;
Flash Point:	200 F	140 F
% Chlorides:	0.36 %	4,000 ppm
Arsenic:	.04 ppm	5.0 բրա
Cadmium:	1.58 ppm	2.0 ppm
Chromium (total):	2.90 ppm	10.0 ppm
Lead:	276.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: South West Oil

Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER: RESULT; SPEC; Flash Point: 200 F 140 F 140 F. % Chlorides: 4,000 ppm Arsenic: 5 ppm Cadmium: 2 ppm Chromium (total): 10 ppm Lead: 100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to be down-blended to meet the specifications set out for "Used Oil".

_Independent Sampling and Services;

BY: Bill Fetrich

SAMPLE SOURCE: R. & S. Waste Dil Sample No. 61 SAMPLE SUBMITTED: 12/5/86 RESULTS SUBMITTED: 1/8/87 PARAMETER; RESULT; SPEQ; Flash Point: 200 F. 140 F. 140 F. % Chlorides: 4,000 ppm Arsenic: 5 ррт Cadmium: 2 ppm Chromium (total): 10 ppm Lead: 100 ppm *Exceeds current standard for "Used Oil": DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED; COMMENTS: This material shows excessive lead concentrations, and should be do blended for use in industrial boiler applications only.

Independent Sampling and Services;

BV: Bill Petrich

		By: Bill Petrici	
ADDITONAL ANALYSES:	Viscosity SUS	@ 100 Fseconds	. Sulfur
B.T.U.	Ash	B.S.&W.	Gravity

SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SHMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5 ppm
Cadmium:	1.96 ppm	2.0 ppm
Chromium (total):	3.55 ppm	10 ppm
Lead:	301 ppm	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be down blended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petria

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SHMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ррм	5.0 ppm
Cadmium:	1.78 ррм	2.0 ppm
Chromium (total):	3.26 ppm	10.0 ppm
Lead:	288 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER:

RESULT:

SPEC:

Flash Point: 200 F.

140 F.

140 F.

% Chlorides:

4,000 ppm

Arsenic: Cadmium: 5 ррт

Chromium (total):

2 ppm

10 ppm

Lead:

100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services:

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____seconds. B. T. U. _____ Ash _____ B. S. &W. _____ Gravity _____

LABORATORY ANALYSIS REPOR	15 SE	WYGRE NO: LED/1957	1.00.00 1.00.00 1.00.00 1.00.00		in the second se
ASSE, ELINOIS ESECT \$12.562-4714	CUSTOMER REF. NO.: DATE: 12-18-86		Gravity API @ 60°P ASIM D-287 Sulphur % WT. ASYM D-1552 Flash PW ASYM D-93 S & W % ASYM D-1796 Vis, (SPS @ 12207) ASYM D-58 Pour Point ASYM D-97		A TOTAL TOTAL SEES (1998) - TOTAL SEES (1998) - TOTAL SEES (1998)
	02Ux	NOTE OF STREET	Scoming Marks: composite Scoming by Saybolt & Co., Inc.	This laboratory report may not be bublished or used except in full, it shall not be used in connection with any form of advortising unless written consent is received from an efficer of E. W. Saybalt & Co., Inc. Postulto were based an analysis made of the laboratory. Samples, if any, shall be retained for a pariod of 45 days unless a longer pariod is requested in withing.	— SAmple nomenalature is designe- ed by the customer.

RESULTS OF ANALYSIS:	House stock	DATE	11/17/86
SAMPLE SUBMITTED: 11	/2/86		
RESULTS REPORTED: 1	1/15/86	_	
PARAMETER	RESI	JLT	SPEC.
Flash Point	200°		140 F. or Greater
% Chlorine	0.05		4,000 ppm
ARSENIC	.04		5 ppm
CADMIUM	1.05		2 ppm
CHROMIUM (total)	1.31		10 ppm
LEAD	145		100 ppm
Exceeds current stand DATA RESULTS IN PARTS COMMENTS:		OTHER WISE IND	ICATED.
Independent Sampling a	ad Secvices:	By_Mike Pe	t oi ab

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS:	House Stock	DATE10/22/86
SAMPLE SUBMITTED: 10/	17/86	
RESULTS REPORTED: 10	/22/86	
PARAMETER	RESULT	SPEC.
Flash Point	158°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.24	2 ppm
CHROMIUM (total)	3.11	10 ppm
LEAD	171.0	100 ppm
*Exceeds current stand DATA RESULTS IN PARTS COMMENTS:	lard for "Used Oil" PER MILLION UNLESS OTHER	WISE INDICATED.
Independent Sampling a	nd Services: By	Mike Petrich

By Mike Petrich

RESULTS OF ANALYSIS:	House Stock	DATE	9/22/86
SAMPLE SUBMITTED: 9/	17/86		
RESULTS REPORTED: 9/	22/86		
		•	
PARAMETER	RESULT	····	SPEC
Flash Point % Chlorine ARSENIC CADMIUM CHROMIUM (total) LEAD *Exceeds current stand DATA RESULTS IN PARTS		HER WISE IND	140 F. or Greater 4,000 ppm 5 ppm 2 ppm 10 ppm 100 ppm
COMMENTS:			
COMMENTS:		·	

RESULTS OF ANALYSIS: House stock	DATE <u>9/2/</u>	'86	
SAMPLE SUBMITTED: 8/	15/86		
RESULTS REPORTED: 8,	/27/86		
PARAMETER	RESULT		SPEC.
Flash Point % Chlorine	Greater than 20D° F Less than 0.05		14D F. or Greater 4,00D ppm
ARSENIC	Less than 0.001		5 ppm
CADMIUM	0.70		2 ppm
CHROMIUM (total)	0.93		10 ppm
LEAD	173.0		1DO ppm
*Exceeds current stand DATA RESULTS IN PARTS COMMENTS:	ard for "Used Oil" PER MILLION UNLESS OTHER W	ISE INDICA	TED.
COMPLNIO.	······································		
Independent Sampling a	nd Services: By	Mike Petri	ich

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS	0F	ANALYSIS:	В	&	D	0il
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DATE 3-8-88

SAMPLE SUBMITTED:

2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	183 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.265	2 ppm
CHROMIUM (total)	0.040	10 ppm
LEAD	8.39	100 ppm
	•	1

^{*}Exceeds current standard for "Used Oil" DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

March 988
Through
Decemen
1988

OMMENTS:

independent Sampling and Services:

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL Recovery	DATE 3-8-88
SAMPLE SUBMITTED: 2-23-88	
RESULTS REPORTED: 3-8-88	

PARAMETER	RESULT	SPEC.
Flash Point	148 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.750	2 ppm
CHROMIUM (total)	0.42	10 ppm
LEAD	67.8	100 ppm

^{*}Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:		· .	
			1

Independent Sampling and Services:

By Sie Stime